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LONDON" (2 Words).

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VOL. XCII.



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PER DOZEN



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An enormous demand exists for a Warming Liniment of the American type.

May, Roberts' U.S.A. Liniment is a thoroughly satisfactory preparation, of proved efficacy, which can be confidently recommended.

It is a clear, bright, amber-coloured liquid, attractively bottled and labelled, and is packed in a striking carton in colours.

*May, Roberts' U.S.A. Liniment can be delivered from stock*

**MAY, ROBERTS & Co. Ltd.,** 7/13 CLERKENWELL RD., LONDON, E.C.1, and at 16 Westmoreland St., Dublin



PERFECT SOLUBLE  
**ESSENCE OF  
LEMON**

**IS A PURE FRUIT ESSENCE  
MADE ENTIRELY FROM LEMONS**

It is Guaranteed Free from Terpeneless  
and Sesquiterpeneless Oil of Lemon,  
Oil of Limes, Artificial Citral or  
any other Admixture.

THE ENORMOUS DEMAND FOR THIS PERFECT  
ESSENCE IS A PROOF OF ITS SUPERLATIVE  
QUALITY, AND NOTHING APPROACHING IT IN  
FLAVOUR OR AROMA CAN BE MADE FROM  
TERPENELESS OILS BY ANY PROCESS.

THE SALE OF LEMONADE DEPENDS  
ENTIRELY ON THE FLAVOURING USED.

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**STEVENSON & HOWELL, Ld.**  
**SOUTHWARK ST., LONDON, S.E.1.**

Established 1882.

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**STEVENSON & HOWELL, Ld.**  
**SOUTHWARK ST., LONDON, S.E.1.**

Established 1882.

# Four Authorities:

1. "I have very clear evidence of the fact that those who develop such diseases as are mentioned in the following list have suffered for some time from chronic intestinal stasis: non-specific arteritis obliterans, angina pectoris, rheumatoid arthritis, Still's disease, tubercle, exophthalmic goitre, adenoma of the thyroid, Addison's disease, Raynaud's disease, diabetes, ulcerative colitis, microbial cyanosis, dementia praecox, pernicious anaemia, disseminated sclerosis, paralysis agitans, infective endocarditis, and in many instances alcoholism and the drug habit, and numerous forms of skin disease."

Sir \_\_\_\_\_  
"The Lancet"

December 20<sup>th</sup> 1919. pp 1123.

2. "Liquid Paraffin, or Russian Mineral Oil, is the agent which, by common consent, is pronounced the most satisfactory in the treatment of these cases," i.e. Intestinal stasis.

W \_\_\_\_\_ S \_\_\_\_\_ B \_\_\_\_\_

A.M., Sc.D., M.D.

"Chronic Intestinal Stasis"

Womans Medical Journal

January 1914.

3. "In the New Utopia, where stasis will be regarded as a sin more sinister than sedition, and surfeit more unseemly than schism,.....the function of the police will be the purveying of paraffin....."

Dr \_\_\_\_\_  
"The Operative Treatment of  
Chronic Intestinal Stasis" (1918)  
pp. 263.

4. "The Silvertown Company, in particular, are manufacturing a fine standard product which answers all B.P. demands perfectly."

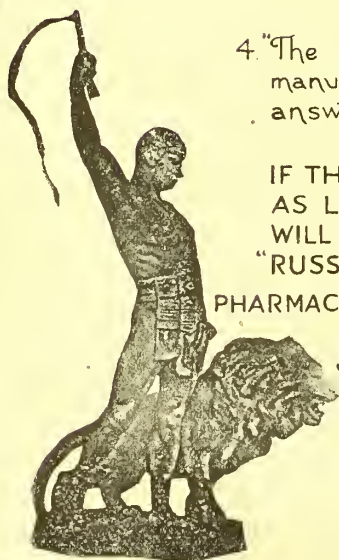
"The Lancet" 2<sup>nd</sup> October 1915.

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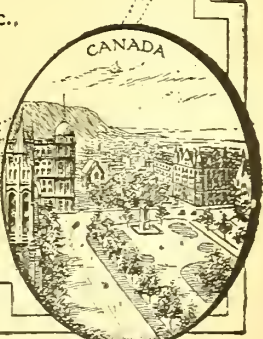
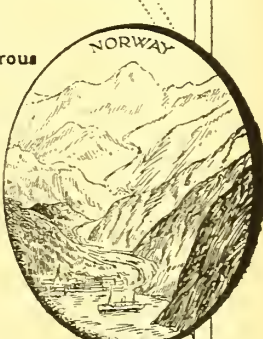
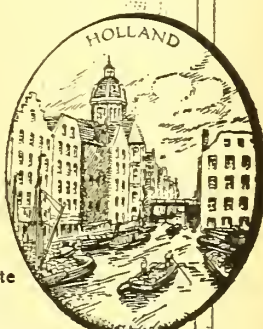
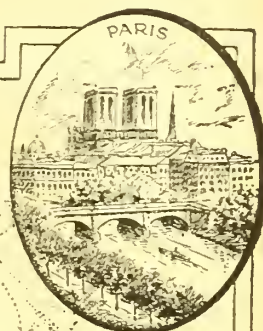
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Amidopyrin	Hydroquinone	Quinine and Salts
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Benzamine Lactate	Lithia Carbonate	Salicylic Acid
Benzo Naphthol	Lecithin	Salicylate of Soda
Beta Naphthol	Menthol	Salol
Bromides	Mercurials	Soda Benzoate
Calcium Lactate	Methylene Blue Medicinal	Soda Hyposulphite
Chloral Hydrate	Methyl Salicylate	Soda Sulphite Anhydrous
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NEW YORK AGENTS

R. W. Greeff & Co., Inc.,  
78, Front Street.

# ALKIA SALTRATES<sup>AND</sup> REUDEL BATH SALTRATES

The extreme height of perfection in salines. The best that can be produced regardless of cost. (3/3 P.A.T.A.).

The best of all bath preparations, either for medicinal or general toilet use. (2/- and 3/3 P.A.T.A.).

**They never stay long on your shelves, because they please the customer EVERY TIME.**  
*Never Let Your Stock Run Too Low.*

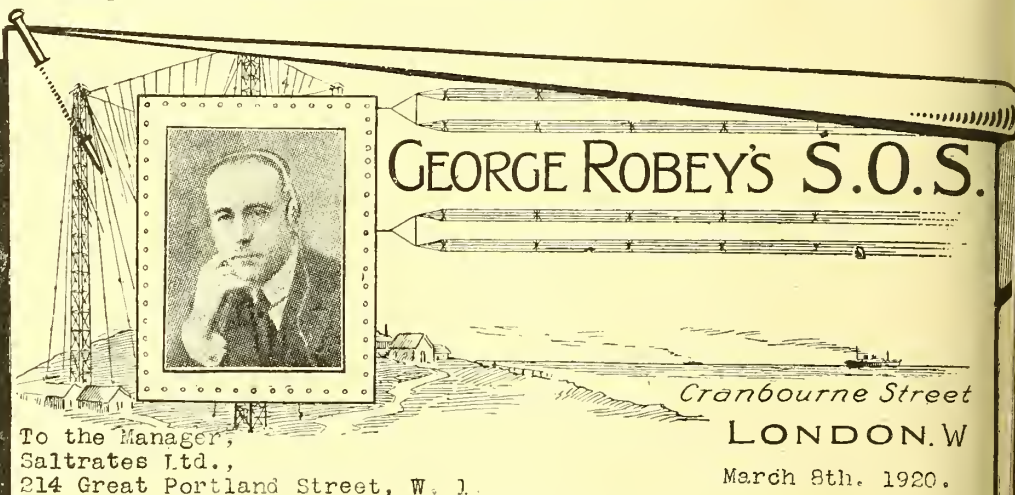
**NO STOCK — NO SALES.**

## A LETTER THAT EVERY CHEMIST SHOULD READ.

**"Do I still have to travel to Continental Spas?  
No, NO,—n'n'n' NO. I take my cure at home,"**

Says **GEORGE ROBEY**, the inimitable comedian, who, like Harry Lauder and numerous others amongst the really great stars of the theatrical firmament, has joined the long list of prominent men and women who have used our Saltrates with results so pleasing that they have kindly written us in grateful acknowledgement of the wonderful benefits derived. No other preparations in the world have ever received such endorsement. The following letter is here reproduced by special permission.

SALTRATES, LTD.



**GEORGE ROBEY'S S.O.S.**

To the Manager,  
Saltrates Ltd.,  
214 Great Portland Street, W. 1.

Cranbourne Street  
LONDON. W

March 8th. 1920.

Dear Sir:- That was a good turn you did me in donating the supplies of Alkia Saltrates and Reudel Bath Saltrates that I ordered for the hospital. The favour is appreciated by me as much as the Saltrates are appreciated by all who use them, myself of course included. No one can accord anything higher praise than that.

Personally, I never could be sure of remaining in perfect bodily health and comfort without always having both Alkia and Reudel right where they are handy when wanted. I needed these Saltrates of yours long before commencing to use them, years ago. "Oh! How can I tell you my feelings" in those days. Now, I have no more internal or external aches or pains, no more tired feet or muscular strains. Do I still travel to Continental Spas? No, NO - n'n'n' NO! I take my cure at home.

I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to acknowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

Yours gratefully

*Geor. Robey*



There is an increasing demand being displayed by

# EVERY CHEMIST AND DRUGGIST

in the BIGGEST DEAL of its nature ON RECORD.

**£5,000,000 TO £10,000,000**

Government Surplus Stores, 50,000 items.

## CASTOR OIL (Bulk Offer by "D" Dept.)

Pure Pharmaceutical  
1st Pressings  
2nd Pressings

In Bulk, Barrels,  
Drums and  
Cases

*Large Quantities Available.*

### SOAP.

Pale Yellow, Crosfield's and Gossage's make, packed in 50-lb. boxes, containing 20 x 2½-lb. bars.

### BEESWAX.

Zanzibar, Abyssinian, Benguella, Mozambique. Packed in bags of 1½ cwt. each.

### RUSSIAN TALLOW.

Packed in 5-cwt. casks.

### DISINFECTANTS.

Sanitas,  
"Okal,"  
and other varieties.

### JELLY.

Petroleum.

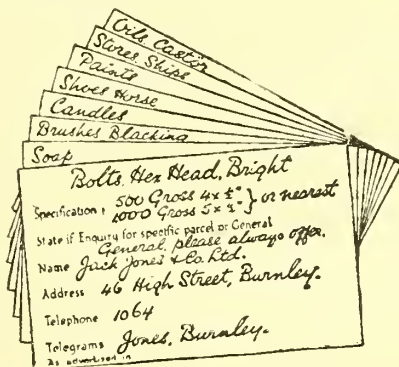
We can also supply—

**MINERAL, RAPE, SWEET and OLIVE OILS, GLOVES (RUBBER), ISINGLASS, PARAQUIT, VERMIJELLI, NAPHTHA-LINE PASTE, TURPENTINE.**

Don't blame us if you are not supplied, we are announcing broadcast our desire to supply you. It is necessary for you to respond quickly in the manner indicated.

### WHAT WE WANT YOU TO DO.

We are now busy indexing the immense number and variety of items. In the meantime, if you want materials of any description, of the nature indicated, you will greatly facilitate your purchase by filling in an ordinary plain Post Card as set out below:—



One plain Post Card for each heading. If several inquiries, send all in one envelope. DO NOT WRITE LETTERS

These will be sorted and filed as card indices, with the result that directly the items you are interested in are scheduled you will be communicated with. It may be to-day or three weeks hence, but whenever available you will hear from us.

Think over your future as well as your present requirements. With the world shortage, what you may require in the future may be gone if you do not notify your needs promptly.

Telephone:  
Cent. 1070  
(10 lines).

**ROWNSONS**  
ROWNSON DREW & CLYDESDALE LTD

Cables:  
"Rownsons  
Cent."

**ESTABLISHED 100 YEARS.**

**Head Office: 225 Upper Thames Street, London, E.C. 4.**

**Works: Elevators & Conveyors, Maiden Lane, York Road, N.**

**Branches: Birmingham, Belfast, Bristol, Glasgow, Leeds, Liverpool, New York, Bucharest, Utrecht, Saarbrücken.**

*May 1st, 1920.*

It is with extreme reluctance and regret that we at last find ourselves compelled to increase the prices of LAURENCE'S One-Solution HAIR DYES to the Trade and to the Public.

For several years past the margin on this very popular proprietary has been steadily growing less and less, due, of course, to the equally steady increase in the cost of everything concerned, viz. : materials, bottles, paper, cardboard, advertising, etc.

It has been a source of some little pride and considerable pleasure that throughout the period of the War, and until to-day, we have continued to postpone the inevitable. This has now proved to be no longer possible, and we beg to announce that on and after May 1st, 1920, the prices for LAURENCE'S One-Solution HAIR DYE will be as under—

Old Prices	1/-	1/6	2/6	3/6 sizes
are now—	1/9	2/6	3/9	5/-
Min. retail	1/9	2/6	3/9	5/-
Wholesale	15/-	20/-	30/-	36/- per doz.

*less 5% discount.*

**SPECIAL BONUS AS USUAL**

Buyers of 3 dozen lots receive 3 bottles gratis

" 6 " " " 8 " "

" 12 " " " 18 " "

*of size ordered, or equivalent in other sizes.*

Showcards and advertising material supplied free.  
Coloured Chart with specimens of Hair dyed in the different Shades :

RAVEN BLACK, BLACK, DARK BROWN, BROWN, MEDIUM BROWN,  
LIGHT BROWN, AUBURN, CHESTNUT, GOLDEN BLONDE, on application.

# C. R. Harker, Stagg & Morgan

LIMITED,

Devon Wharf, Emmott Street, and Bell Wharf,  
Bridge Street, Mile End, E.1.

To such of our customers as have on hand a supply of Laurence's Hair Dye at the old price, we shall gladly send slips intimating the advance on these Dyes, if they will kindly give us full particulars of the quantity and sizes they have in stock.



# Maw's Page.

S. MAW · SON & SONS · LTD  
7/12, ALDERSGATE ST. LONDON, E.C.1., ENGLAND.

NO. 447  
8 : 5 : 20

## THE "EFFECTIVE"

From now onwards the preparations  
of future outings will be the order,  
the pharmacist who gets the  
business is he whose stocks are  
complete, and whose window display  
reaches the holiday atmosphere.

Seeing this, we are offering our  
customers a special series of "Effective"  
Vacuum Flasks fitted with an  
"A British" Bottle.

Flasks are enamelled in assorted  
colours with polished aluminium  
orders and cups. Each flask  
bears our guarantee of efficiency.  
Capacity one pint only.

Price: 7/6 each.

In one dozen lots 7/- each.

In three " " 6/9 "

"Effective in name."

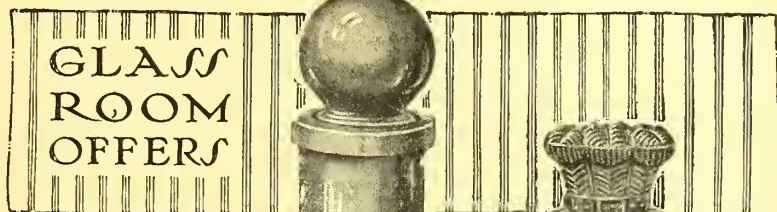
"Effective in use."

There is a special offer of Refills—  
rich made. We have a good  
supply of these refills and advise  
customers to take advantage of  
offer.

Price 4/- each net.

For less than 1 Dozen quantities.

*Discuss*



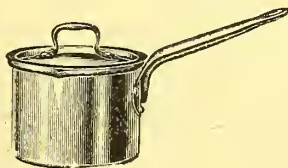
**B**OOTH of these Smelling Salts Bottles are of very superior quality, and the stoppering is perfect—a point which is greatly appreciated.

No. 164.—Actinic green Bottle, exceptional finish, with Prince of Wales' Feathers stoppers. Capacity, 1 oz. Price 5/6 per dozen, in boxes of one dozen.

No. 162.—Actinic green Bottle, highly finished, fitted with globe stoppers. Capacity 1½ oz. Price 6/9 per dozen, in boxes of one dozen.

We have acquired another consignment of Test Tubes measuring 6" × ½" which we can offer at the exceptional low price of 8/6 per gross.

## 'Superior Saucepans'



**M**ANY have been the difficulties in the past to purchase reliable Household Utensils. To meet the unusual demand for a thoroughly dependable article we have secured a large consignment of polished Aluminium Saucepans, with lip and cover, of superior quality.

This is a fine example of post-war value. Made in three sizes as follows:

5 in., capacity 2 pints	...	...	...	price 4/- each
6 " " 3 "	...	...	...	" 5/6 "
7 " " 5 "	...	...	...	" 8/- "

Or set of three at 17/-.

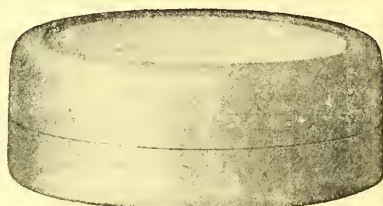
TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE).

TELEGRAMS: "ELEVEN. CENT. LONDON."

Maw's—"The House of the Moment."



No. 200.  
SATIN-FINISH ALUMINIUM—  
ACTUAL SIZE. Suitable for Com-  
pressed Powder, C. chous, Tablets, Rubber  
Goods, etc. etc.



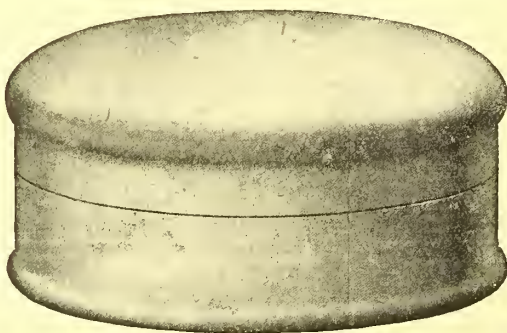
No. 201/2.  
SATIN-FINISH ALUMINIUM. ACTUAL  
SIZE. Suitable for Ointments, Dentifrice, etc. etc.  
Also made without depression in centre.



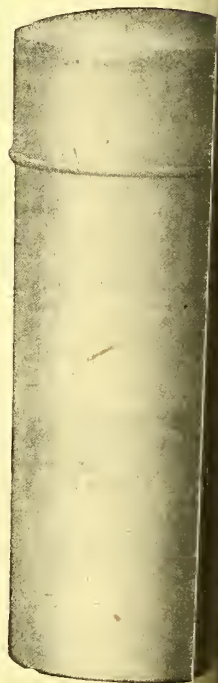
SATIN-FINISH,  
ALUMINIUM  
SCREW-CAPS,  
IN  
NUMEROUS  
STYLES and SIZES.



MANUFACTURED BY  
**NAPPER & DAVENPORT,**  
7-11 St. George's Place, BIRMINGHAM.



No. 205.  
SATIN-FINISH. ACTUAL SIZE.  
Suitable for Face Powder, Brillantine, Cold Cream,  
etc. etc.



No. 502.  
SHAVING-STICK CASE.  
ACTUAL SIZE.  
FROSTED,  
SATIN FINISH, or  
BRIGHT POLISHED  
ALUMINIUM.  
Push-On or Screw-Fitting.  
Closed or Open End.

EMBOSSSED with LETTER DESIGN to INSTRUCTIONS if WARRANTED by QUANTITY REQUIRED.





TRADE MARKS.

Telegraphic Address:  
"EKLIPS LONDON."

ABC Code, 5th Ed.;  
Lieber's Code.

On the List of Government Contractors.  
The Crown Agents for the Colonies, etc.

Telephone No.:  
1831 Flop.

MEDALS AND AWARDS:

LONDON, 1881. VIENNA, 1883. CALCUTTA, 1884.  
CHICAGO, 1893.

# Parrish's Syrup.

Made from white Cane Sugar and purest Phosphoric Acid by an original process, this Syrup is free from silica and any "inky" taste. We shall be pleased to hear from buyers of 2 cwt. and upwards, either in bulk or packed in 4-oz. and 8-oz. coloured cartons. The price must be advanced when our present stock of sugar is exhausted.

WE ARE IMPORTERS OF THE FOLLOWING :

<b>Eucalyptus Oil</b>	<b>Cod Liver Oil</b>
<b>Castor Oil</b>	<b>Oil of Cade</b>
<b>Balsam Copaiba</b>	<b>Eucalyptus Oil</b>
&c.	

## H. E. STEVENSON & CO.

*Licensed Compounders of  
Essences, Spirits, Perfumes, &c.*

122 GREAT SUFFOLK STREET, LONDON, S.E.1.

*Our experience of 40 years is at your service.*

# CO-OPERATION in PHARMACY

has been well tested and has proved advantageous. No longer does the up-to-date Chemist fear to "talk shop" with his competitor. The question of cutting is being settled amicably by Association meetings.

Local arrangements for fixing prices have been found to work well, and the system is extending.

## PHILIP'S "STANDARD" RETAIL PRICE LIST

is recognised by Associations all over the country as the best means of promoting uniformity of prices. The S.R.P.L. shows at a glance the fair price to charge for any quantity of a drug from a grain to a pound, or a minim to a gallon, the cost price and the profit on sale. All the prices are brought up to date monthly, and these prices are recognised by most Profiteering Committees.

**Annual Subscription, 5/- post free.**

FROM THE PUBLISHER: **CHARLES PHILIP, Pharmacist**  
132 Abbeyfield Road, Pitsmoor, **SHEFFIELD.**

# BELDAM

## BRITISH SPONGE

## MADE OF PUREST RUBBER

## A FINE SOFT TEXTURE DELIGHTFUL TO USE



Beldam Rubber Sponges are remarkable for their softness, their capacity for absorption, and their wearing qualities.

These Sponges make a most beautiful lather with the most indifferent soap and in the hardest water. They are healthy and invigorating to the skin.

Medical men recommend them. They are perfectly odourless. They are not affected by strong disinfectants.

**Five Sizes.** Price per dozen to Retailers from **£1 10s 6d**. We invite inquiries.

The Rubber Sponge Dept., Beldam The Rubber Co.,  
Brentford, Middlesex.



*Godbolds*



# AYRTON'S WEEKLY

PAGE  
15

## Sponges

Our Spring Shipment is to hand and considering the enormous increase in the price of labour, freight, etc., the quality and size is quite up to the average.

WE HAVE BEEN VERY FORTUNATE IN SECURING A SMALL PARCEL OF TURKEY WHICH WE CONSIDER SPECIAL VALUE.

### HONEYCOMB

No. 1	... per dozen,	2/9	No. 10	... per dozen,	36/-
" 2	...	4/6	" 11	...	42/-
" 3	...	6/6	" 12	...	52/-
" 4	...	8/6	" 13	...	60/-
" 5	...	10/6	" 14	...	72/-
" 6	...	16/-	" 15	...	84/-
" 7	...	20/-	" 16	...	126/-
" 8	...	24/-	" 17	...	162/-
" 9	...	30/-			

### TURKEY

No. 18	... per dozen,	12/-	No. 23	... per dozen,	84/-
" 19	...	15/-	" 24	...	90/-
" 20	...	24/-	" 25	...	96/-
" 21	...	48/-	" 26	...	108/-
" 22	...	60/-			

### FLORIDA ON STRINGS OF ONE DOZEN

F/1	... per dozen,	5/6	F/3	... per dozen,	15/-
F/2	...	9/6	F/4	...	23/6

Order  
now !

AYRTON, SAUNDERS & Co. LTD.

Manufacturing Chemists

34, Hanover Street, LIVERPOOL



# JOB BROTHERS

## GUARANTEED PURE GENUINE

## NEWFOUNDLAND NON-FREEZING

## MEDICINAL COD LIVER OIL

### IS THE FINEST OIL PRODUCED

It is perfection in colour, smell, taste and absolute purity.  
Manufactured from the finest fresh Cod Livers on same  
day as fish caught.

**WHOLESALE ONLY**

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL**

Telegraphic Address: "JOB LIVERPOOL"

Tel.: 1039 CENTRAL

And of ST. JOHN'S, N.F.

Established: 1780

# Delphinus

## TOILET PREPARATIONS

Face Cream, Dental Cream,  
Brilliantine (Solid & Liquid),  
Pomade Hongroise, Nail Polish,  
Shampoos, etc.

Products of  
Unvarying  
Excellence

Prepared by  
*The Delphinus Mfg. Co.*  
45 Edward Street, Brighton.  
Cables & Wires: Hongroise, Brighton.

## Over 100% Profit

We do not pay money in costly advertisements  
—We prefer to give our clients the benefit of  
increased profits. Many of our articles product

## OVER 100% PROFIT

**SEE SPECIAL OFFER**  
this week's "Hairdressers' Journal."  
Particulars on application.

**BE WISE! Write us TO-DAY.**

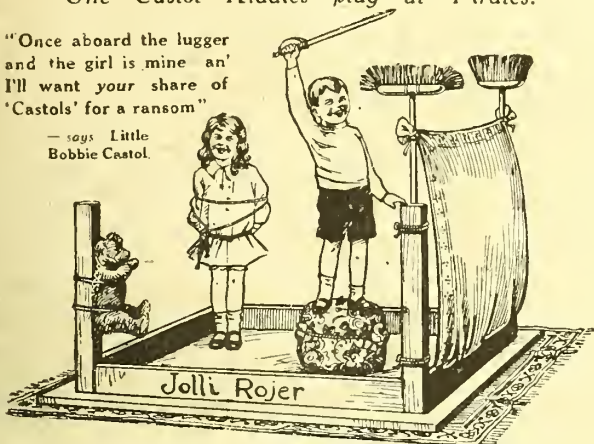
*Delphinus*  
TRADE MARK.



*The Castol Kiddies play at Pirates.*

"Once aboard the lugger  
and the girl is mine an'  
I'll want your share of  
'Castols' for a ransom"

— says Little  
Bobbie Castol.



**Healthy Children are Playful Children.**

Every mother knows how true this is, and that accounts for the great popularity of

*The Sweetmeat Biscuits*

**Castols**

NICE AS CHOCOLATE

CASTOLS are as safe and certain as the Oil of Cod Liver. They replace, and their regular use, insures children's refreshing sleep. The "Castol" child's natural cheerfulness and contentment; they grow in body and less nervous become as healthy as the smiles and the play of the day, for a "Castol" child is the happiest of perfect children.

your nurse or doctor will play every tin of CASTOLS to you.

Sold by Chemists in 9d. and 1/6 tins and 1 1/2d. packets.

If any difficulty in obtaining them, write to

**THOMAS KERFOOT & CO., LTD., Bardsley Vale, BARDSLEY, Lancs.**

**THOMAS KERFOOT & CO LTD**  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1767.

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# The Passing of the Paper Label!

Send us your order. —

We guarantee satisfaction.

## PRICES for—

Peppermint, Thymol, Carbolic, Areca Nut, Cherry and Formalin Dental Creams (assorted) :

## LARGE SIZE—

Cartoned, per gross 87/-  
Uncartoned „ 84/-

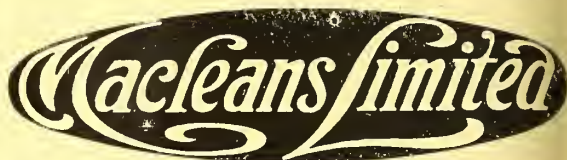
## SMALL SIZE—

Cartoned, per gross 69/-  
Uncartoned „ 57/-

Carriage Paid.  
Packages Free

YOU CAN have your name and address a part of the colour-enamel decoration when you use the MACLEAN service for your tubed preparations.

WE HAVE various elegant designs for Dental Cream, and can supply in 1 gross lots and upwards, with your name and address printed right on the tubes and, of course, on the cartons.



6 Spring Street, LONDON, W. 2.

Phone: Paddington 6784

Telegrams: "Tuma-klim, Padd, London."

# X SAPON SOAPS SELL X

Hundreds of Orders direct from the Public.

An Ornament to the Counter.

We want YOU to have this Business.

You should sell Sapon Skin Soaps—Because we, the makers, are entirely unconnected with any Combine.

Because Sapon Skin Soaps once ordered are always ordered. You will have a steady sale and the satisfaction of knowing that you are supplying the best. (Sapon Skin Soaps are recommended by many eminent Doctors.)

Because Sapon Skin Soaps yield a larger profit to you than any other soap, while still being sold to the Public at a low price.

Write to-day for full particulars to

**SAPON SOAPS,**  
LIMITED,  
LONDON BRIDGE,  
E.C. 4.







# “SANOID” BORACIC SOCKS

*Literally  
sell themselves*

Many Chemists have enjoyed the  
ready sale of Boracic Socks which  
Literally Sell Themselves.

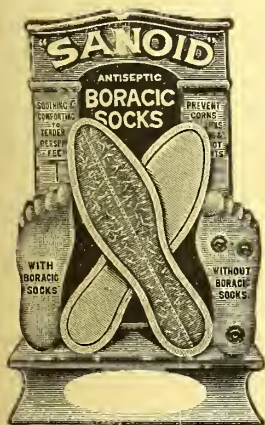
8/6 per dozen pairs.

99/- per gross pairs.

RETAIL PRICE 1/- per pair.

ON P.A.T.A. LIST.

*Sample Pair Post Free on  
Application.*



*Facsimile of Showcard*

## Cuxson, Gerrard & Co.

LIMITED,

### OLDBURY, near Birmingham

*Foreign and Colonial Orders  
Invited.*

## TERPENELESS OILS

BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS :

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

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Dill

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Ginger

Juniperberry

Lavender

Lemon

Limes

Mandarin

Nutmeg

Orange

Peppermint

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EUCALYPTOL

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ALDEHYDE  
GERANIOL

— SICILIAN —

LEMON - BERGAMOT  
ORANGE - MANDARINE

— SPINELLI —

The Oils that have a Long  
Reputation for Quality

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

## HOLLANDS DISTILLERY LTD.

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A B C Code, 5th Edition.  
Western Union.

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Telephone: Hop 898.

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CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

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## NOTICE.

New and attractive lines will be brought out shortly, and an illustrated catalogue sent out. In the meantime we will send on application a supplementary list of lines in stock, popular in price and advantageous in sale.

We can also offer to advantage Perfumery in Bulk in two qualities—Essential Oils of guaranteed purity; Floral Ottos for Cachous, &c.; Fruit and Soluble Essences, Chemicals, &c.

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Lomond Grove, Camberwell, LONDON, S.E.5.

Telephone: 810 HOP.

Telegrams: "VANILLIN, CAMBER, LONDON"



Every Chemist should send for the

# "PREMO"

Book of

## SIMPLE RECIPES

For making all kinds of Toilet Preparations.

THIS is a New and Enlarged Edition of the famous PREMO Book of Simple Recipes for the Manufacture of all kinds of Toilet Preparations, Perfumes, &c. It contains

### Over 100 Valuable Recipes

with Directions for making up

lotions	Oils	Dentifrice
frictions	Shaving Creams	Face Powders, etc.
ry Shampoos	Face Creams	Lip Salves
aving Powders	Face Lotions	Nail Polish
air Tonics	Glycerine and	Razor Pastes
oilet Paraffin	Rose Water	Corn Paint
oney and Flowers	Eau de Cologne	Smelling Salts
air Cream	Perfumes	Solidified
air Colour Restorer	Perfuming Powders	Brilliantine
air Pomades	Tooth Powders	Pomade Hongroise
brilliantines	Tooth Paste	Etc. Etc.

This PREMO Book is like no other publication offered to the trade. It stands alone—the simplest, soundest and most practical book of its kind. It will appeal to, and prove of the greatest service to, all who are interested in the manufacture of High-Class Toilet Preparations, Perfumes, &c. It is full of useful and valuable information, which will be appreciated by all Chemists, qualified and otherwise, who are desirous of developing this side of their business. Read our Special Offer in this advertisement and send for the PREMO BOOK OF SIMPLE RECIPES to-day. There are Recipes in this publication that will pay for the Book over and over again.

N.B.—Owing to the increasing costs of prime materials, the advances in labour, carriage, etc., and the increased duty imposed by the new Budget, we are compelled to raise our prices 25% on all PREMO products, etc. All orders however, which reach us by Saturday, May 8th, will be accepted at the old prices, subject to present stocks being available.

### SPECIAL OFFER

for

One week only

5/-

We intended selling the New Edition of this "Preemo Book of Simple Recipes" at the old price of 5/-, but owing to the greatly increased cost of printing, etc., and to the fact that the book has been considerably enlarged, we have been reluctantly compelled to raise the price to 10/6. For one week, however, we have decided to give the readers of this paper the opportunity of purchasing "The Preemo Book of Simple Recipes" at 5/- (post free). This offer cannot possibly be extended beyond the period mentioned, so to save disappointment we advise you to order your copy at once. We are not anxious to sell many of these valuable books at the absurdly low price of 5/- for at this figure every copy means a loss to us, but it is this special inducement helps to bring us into touch with a few more chemists who are anxious to improve and simplify the process of making Toilet Preparations, we shall be quite satisfied.

Don't forget that the price of "The Preemo Book of Simple Recipes" is 10/6, but if you order within 7 days we will accept your order and send the Book for 5/-, post free.

## The PREMO Concentré and Essential Oil Co.

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Telegrams: "Appremona, Holb., London."

Paris Address: 32 Rue de Montenotte.

Telephone: Holborn 3095.

Telephone: Wagram 27-35.

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Offices: 40 Rue Damremont, PARIS. Telegrams: "Barthgay Paris." Telephone: Marcadet 15/92  
Distilleries and Laboratories; Chateaufort-Val-St.-Donat (nr. Grasse), and Romans (Drôme).

**SPECIALITIES:** Menthes, Neroli, Petitgrain, Patchouli, Otto of Rose, Violet Essence, Gant de Saxe.

**"ESSENCES DE MONTAGNE"** and Imported Products  
Lavender, Aspic, Thyme, Giroflé, Badiane, Geranium, Ylang Ylang, Musk, Ambre.

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**A. BREZET & CO. LIMITED,**

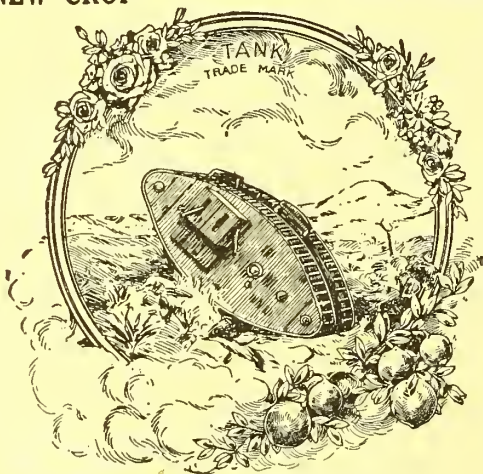
**19 ST. DUNSTAN'S HILL, LONDON, E.C. 3.**

Telephone: Avenue 3543.

Telegrams: "Abrezical, Phone, London."

**NEW CROP**

**1919-1920**



**PURE ESSENTIAL OILS**

**TERPENELESS ESS. OILS**

**BERGAMOT  
SWEET ORANGE,  
BITTER ORANGE,  
LEMON, MANDARIN,**

**NEROLI "D'ITALIA"**

*The Best on the Market.*

**EXPORTATION THROUGHOUT THE WORLD**

**Export Agent:**

**Giuseppe Macajone, MILAN**  
Via Canova 25 (Italy).

**WHOLESALE & EXPORT ONLY**

**LA ZAGARA,**

**REGGIO, CALABRIA (Italy)**

*Co-operative Society of Citrus Plantation  
Growers and Essential Oil Makers.*

**Buy Direct from Actual Producers**

**HIGHEST-GRADE GENUINE CALABRIAN  
OILS OF**

**LEMON  
BERGAMOT  
ORANGE**

**MANDARIN. PETIT-GRAIN. NERO**

**BERGAMOT**

**is an exclusive product of REGGIO, CALABRIA**

*Sole Agent for the United Kingdom:*

**C. A. CHARPENTIER,**  
75 Gt. Titchfield Street, LONDON, W.1

Phone: Museum 6412



# LONABARC TRADING COMPANY

LIMITED,

5 FINSBURY SQUARE, LONDON, E.C.2.

**WE ALWAYS HOLD LARGE LONDON STOCKS OF:**

SPIKE LAVENDER.

ROSEMARY.

JUNIPERWOOD.

RUE.

JUNIPER BERRY.

NEROLI BIGARADE.

FENNEL.

LAVENDER 10/12 ESTERS.

PENNYROYAL.

RED THYME.

WHITE THYME.

LAVENDER FLOWERS.

STRAMONIUM LEAVES.

CHAMOMILE FLOWERS.

EUCALYPTOL CRYSTALLIZABLE.

**PURE**

**ESSENTIAL**

TELEPHONE:

CLERKENWELL 2096.



**SPANISH**

**OILS.**

TELEGRAMS:

"LONABARC, AVE, LONDON."

## BIDWELLS LTD.

### RELIABLE TOOTH BRUSHES.

Gria Silverdrawn	20/- doz.
(Assorted Patterns.)	
ditto Hard, White or Yellow	22/- ,,
ditto Ex. hard ,,	24/- ,,
re - - -	16/- ,,
phant - - -	14/- ,,
chor - - -	12/- ,,

ROSS LOTS NAMED FREE. CARRIAGE PAID.

We do not Sell Foreign Tooth Brushes,  
but our own make only.

Selected £12 parcel of Hair Brushes  
from 50/- to 150/- per doz., carr. paid.

Meatour Factories, AXMINSTER, DEVON.

## Cresp-Martineng

(Grasse, France),

Manufacturers of

**ESSENCES & PRIME**  
MATERIALS for MANUFACTURING

**PERFUMERS,**  
**CONFECTIONERS,**  
ETC.

SYNTHETICS  
ARTIFICIAL VIOLETS  
(MYRIONE)

**Artificial Musk**

INQUIRIES SOLICITED. LARGE STOCKS

**ROBERT FERBER, LTD.**  
98/104 OAKLEY STREET,  
LONDON S.E.1.

Agents for  
the UNITED  
KINGDOM &  
CANADA.

# SPECIAL PERFUME OFFERS.

During the month of May we will book orders for **ROSINE** or **DE LUZY** Perfum at *pre-Budget* tariffs, for immediate or future delivery, excepting Rosine Eau de Colog and Lavender Water which we can only book for immediate delivery. **Write for our Terms**



**PIERROT** A perfume of Rosine Paul POIRET'S latest and most popular creation, advertised in leading fashion papers.

**28/6.** Retail . . . Trade discount 33%

Showcards, test samples, and perfumed cards supplied

**FREE** with an order for one dozen: actual model "Pierrot," 15-in. high, designed in satin by Poiret.

**W. H. CALNAN & CO., 30-32 LUDGATE HILL, LONDON, E. 4**

**DODGE & OLCOTT CO.,**

20 MARK LANE  
LONDON, E. 1

**THE "D & O" BRAND**

*is the "Standard of Quality" for*

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,  
SASSAFRAS, ETC.

BALSAMS of Copaliba, Peru, Tolu.

TONKA BEANS, Angosturas.

'Phone  
CITY 2468.

Telegrams:  
"EGDARF, FEN, LOND"

For LARGE BUYERS

For SHIPERS

# Good Toilet Goods

SHAVING STICKS,  
BRILLIANTINES,  
DRY SHAMPOO (Liquid and Powder), BAY RUMS, TOILET  
PARAFFINS, LIME CREAMS, POMADE HONGROISE, TOOTH  
POWDERS, DENTAL CREAMS, VANISHING CREAMS,  
SHAMPOO POWDERS, and all TOILET GOODS.

SAMPLES AVAILABLE

C. A. STOKES & CO., Ltd., 11 Eclipsol Works, BRISTOL



# RARE INDIAN PERFUME

## AMO-DEL

you missing sales of this delightful Perfume in your district?

To-day "AMO-DEL" is an established favourite with the public and its fame is rapidly spreading throughout every part of the country. We have positive evidence of this by the increasing numbers of orders and inquiries for the names of local suppliers, which are received direct every day.

We wish to divert this volume of business to the usual channels and give the chemists the benefit of the profits from this easy-selling Perfume.

The peculiar charm and refreshing fragrance of "AMO-DEL" is the reason why it is sought after by the elite; it is a veritable masterpiece in the blending of a distinctive and fascinating perfume.

There is a distinctiveness about "AMO-DEL" which savours of the mystery and alluring sweetness of the East; it is altogether different from other perfumes, it is exclusive and select, appealing to the most refined taste.

Every Chemist may rely upon strong publicity, both local and national.

"AMO-DEL" has only to be introduced to become a good seller and a lasting favourite.

### PRICES PER BOTTLE:

3/3, 5/-, and 10/6

Cartons Extra.

(Dainty Samples 10/- per dozen.)

TERMS: 25% with additional 5% for Window Display. 3 3/4% Cash Discount. Attractive Showcards.

SEND YOUR ORDER TO-DAY TO:

# BEAZ

(Blackpool) - - LTD.

Sole Concessionaires.

Bees Buildings, Buchanan Street,  
BLACKPOOL.

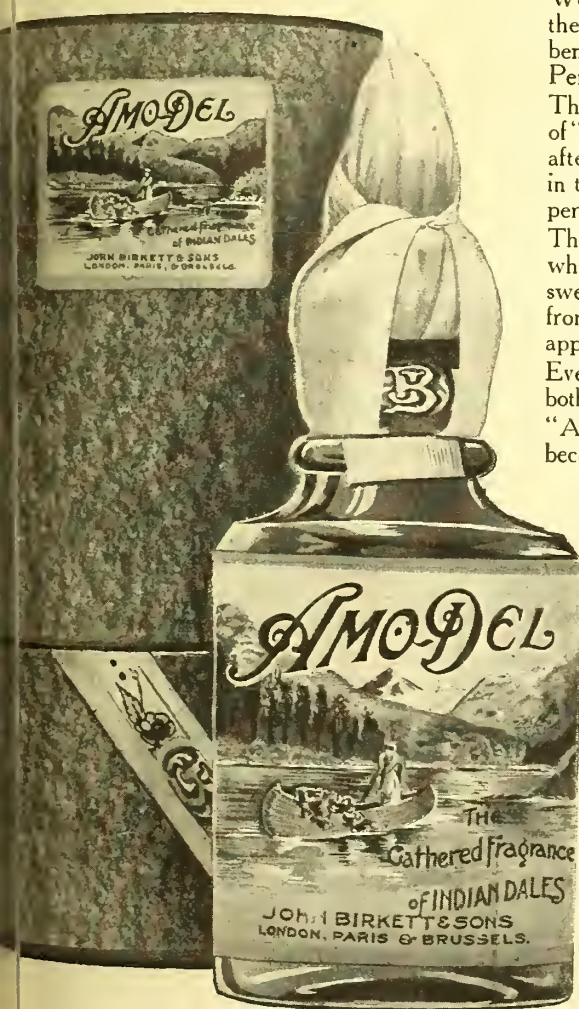
Telegrams:  
"MANICURE BLACKPOOL."

Telephone:  
No. 923.

London Representative:—

Mr. P. W. TAYLOR, 128 High Holborn, W.C.2

OVERSEAS AGENCIES INVITED.







# A. BOURJOIS & Cie, Ltd.

6 CARTER LANE - LONDON, E.C. 4.

Please note that the prices of  
**Poudre de Riz de Java (Bourjois)**  
 are as under :

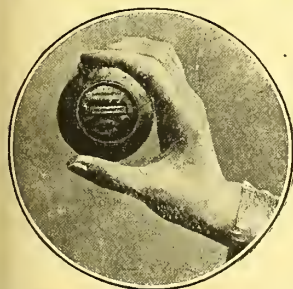
2/- size. No. 45	1/3 size. No. 495
1 doz. - 16/- per doz.	1 doz. - 11/- per doz.
6 " - 15/9 "	6 " - 10/9 "
12 " - 15/6 "	12 " - 10/6 "

The P.A.T.A. prices for Java Powder have been increased to  
 2/- and 1/3 per box.

## MOUSLEY'S BEAVERPUF"

Patent Nos. 4931 and 4932.

*The Ladies' Natty Friend.*



G. quality  
 Grey Fur,  
 4/6  
 each,  
 Retail.

Additional Powder Bags, 6d. each, Retail.  
 Revolution in Powder Puff Manufacture.  
 Thousands already sold.  
 Overstocked by leading Wholesale Houses.  
 Usual Trade Discounts.

Patentee and Sole Manufacturer:  
**A. MOUSLEY,**  
 Bridge, Mortlake, London, S.W.14.

All Chemists and Stores adjacent to Theatres and Music Halls should stock the famous

### LE ROZA Theatrical Cold Cream and Grease Paint Remover.

Used and recommended by all the leading artistes, including The Two Bobs, Ernie Mayne, Miss Victoria Monks, Shaun Glenville, and scores of others too numerous to mention. Sells at 1/9 per tin box (about 11 oz.) costs 15/6 per dozen carriage paid. Cash with order.

From the Sole Inventor and Manufacturer, ARCHIBALD MOLE-FLOYD  
 The LEROZA THEATRICAL STORES, 71, 73 & 75 Cambridge St., Glasgow.

*The Evan Williams*  
 Always in Great Demand.  
 Price List on Application.  
 The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.  
 original SHAMPOO

### Orange Sticks & Emery Boards

NEATLY BUNDLED and CARDED.

OUR PRICES ABSOLUTELY  
 DEFY COMPETITION.

Let us substantiate this sweeping statement  
 by sending you a Sample Card.

### WILLIAMSON BROS.

54 LOWER THAMES STREET, E.C.3.

Telephone: AVENUE 5827.

Northern Showrooms—

49 Deansgate (Office No. 7), Manchester.

# Forhan's for the Gums— A Practical Remedy.

**F**ORHAN'S for the Gums is a specially-prepared dentifrice combining preventive and curative qualities for the treatment of Pyorrhea.

Dentists everywhere have obtained thorough and gratifying results with Forhan's and prescribe it in conjunction with their instrumentation as home treatment for many of their patients.

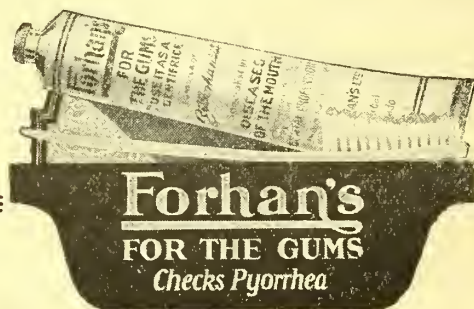
You will discover an increasing demand for Forhan's as the result of a nation-wide advertising campaign informing the public of the merits of Forhan's in the treatment and prevention of Pyorrhea.

Prepare to profit from this advertising by placing your order for Forhan's to-day. Comes in convenient tube form, in one size only. Prices and information on request.

**Forhan's, Ltd., Montreal.**

*Sole Agents:* THOS. CHRISTY & CO.,

4-12 Old Swan Lane, London, E.C.4.







# LYSOLINE HAIR TONIC

will not belie your recommendation for making hair wavy and bright, removing dandruff and cleansing the scalp.

In 2 sizes, 1/- and 2/3 per bottle



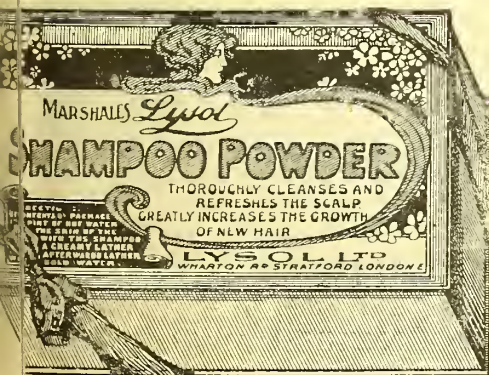
and is well advertised. You can try it yourself free if you send us a postcard, and you can buy on window show terms to give you **100% profit.**

Customers for LYSOLINE are also buyers of

## Marshall's Lysol Shampoos

retailing at **3d. each**, loose. You can buy on same terms as above.

Let us send you a £2 parcel  
paid to your door as a trial.



LYSOL LIMITED  
STRATFORD, LONDON, E.

# Think it over!

## THESE ARE JUST THE LINES YOU WANT.

"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.



### "LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size	...	Cost 4/6 per dozen	Sell @ 7½d.
Large Size	...	" 8/- " "	" @ 1/3

*Recommended by the Institute of Hygiene.*

### "LEONA" CREME DE BEAUTE

Cost 12/- per dozen      Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

### "LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen      Sell @ 1/-

Packed in beautifully embossed tins and cartons.

### POUDRE "LEONA"

Cost 8/- per dozen      Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

*Every Line is a work of art.*

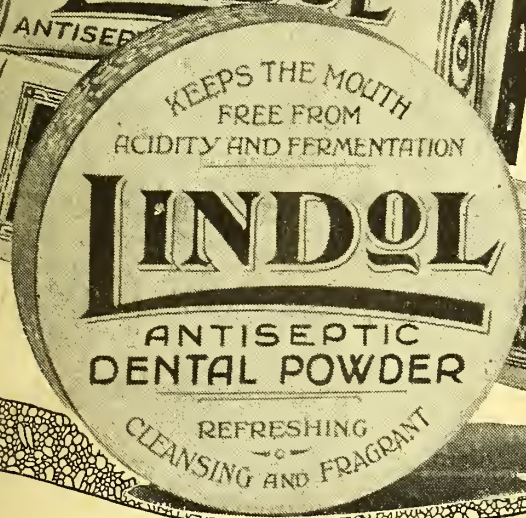
Ask your wholesaler to show them to you, and

## YOU WON'T REGRET IT

Sole Manufacturers and Proprietors—

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C.





# Enolin

## TOOTH PASTE

"STRONG" OR "MILD"

THE SUPER PASTE

"ENOLIN" IS ALSO SUPPLIED IN POWDER FORM, 6d. and 1s. TINS.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers*,  
207 King St., Hammersmith, London, W.6.

Selling Agents for  
Provinces, Ireland and Export:  
MESSRS. PATTINSON & MACKIE, LTD.  
Albion House, 59 New Oxford Street  
London, W.C.1.

*Perspiration  
Troubles*

LET US SEND YOU BUSINESS

There is a growing demand for Dulc-o-do, the toilet water which corrects excessive perspiration and obviates the use of dress shields. A doctor writes: "I find it a splendid preparation."

Send 20/- for a trial dozen 2/6 bottles and showcards, your name will then be placed on our depot file and all future inquiries from your district will be directed to you.

**Dulc-o-do**  
*Corrects Under-Arm Perspiration*

Scott's Chemical Co.,  
47, Huddlestons Rd.  
London, N.W.



### TABLETS.

This week's special offer, so long as present stock holds—Sulphur Tablets with Cream of Tartar, Lime-flavoured, sweetened with sugar, 2/- b. (c.p. in Great Britain), cash with order. Inquiries solicited for compressed tablets and capsules of all kinds.

W. B. DIXON, Ltd.

(Managing Director: W. B. DIXON, Ph.C.)

Manufacturing Chemists, 17 Lord St., Stockport

The Dye with a Reputation for reliability.

**ROYAL COURT HAIR DYE**

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

J. KNOX-WALKER & Co. Ltd., 422 Kingsland Rd., London E. 8.

**STRODONIA** Vanishing Cream

NOW SUPPLIED IN

ALUMINIUM

SCREW-CAPPED JARS

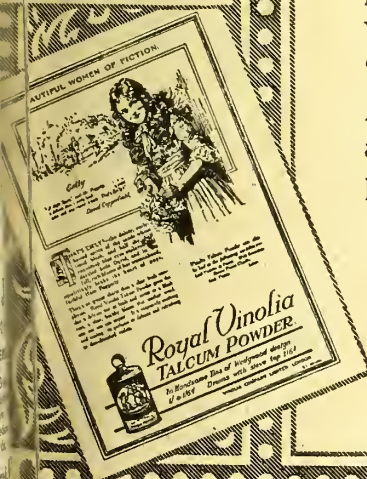
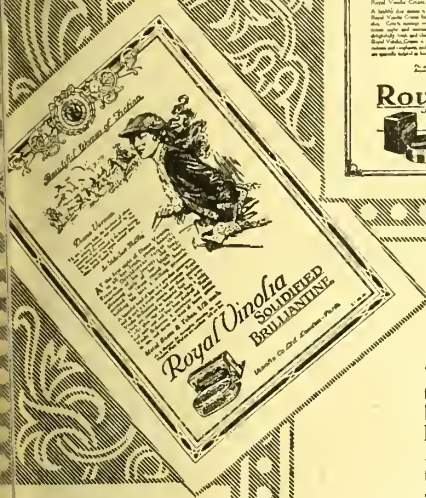
10 1/2 d. size—7/6 doz. 1/3 size—10/6 doz.

FROM LONDON WHOLESALEERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £10/0 subject to 2 doz. 1/3 size Bonus for window display, one month; £1/10/0 subject to 3 doz. 1/3 size Bonus for window display, one month. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.





Read what "The Advertising World" says concerning our "Beautiful Women" Series of Press Advertisements :-

"The idea of a Toilet Preparation is closely allied with that of pre-eminent beauty and loveliness as represented by some of the most famous heroines of fiction. It is no less usefully allied to quality, refinement and good taste. . . . If for no other reason than the appearance of the advertisement, the advertiser's proposition would at sight be accepted as belonging to the first class. . . . The salesman is able to explain to the friendly instead of having to arouse the uninterested."

**YOU** get the advantage of this extensive Press Advertising when you handle the products of the Vinolia Company. The high quality of their Toilet Preparations, coupled with continuous advertising in the best papers in the country, has given them a foremost place in public favour and esteem.

We show specimens on this page of the "Beautiful Women" Series of Press Advertisements with which we are assisting the sales of our customers at the present time. It is good business to stock

# ROYAL VINOLIA

VINOLIA COMPANY LIMITED, LONDON.

RV 418-29

# DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

## Toilet Specialities.

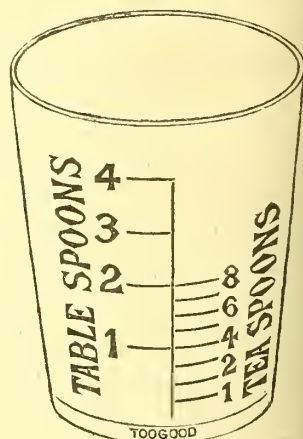
	Price per doz. to Retailer.	Selling Price P.A.T.A.
<b>PILENTA SOAP</b> -	10/-	1/-
A complexion soap.		
<b>PROLACTUM</b> -	10/-	1/-
For the lips.		
<b>PARSIDIUM JELLY</b> -	10/-	1/-
For wrinkles.		
<b>ALLACITE of ORANGE</b>	22/6	2/6
A dressing cream. <b>BLOSSOM</b>		
<b>BORANIUM</b> -	22/6	2/6
A hair tonic.		
<b>CLEMINITE</b> -	22/6	2/6
For a face lotion.		
<b>COLLIANDUM</b> -	22/6	2/6
For a face tint.		
<b>PERGOL</b> -	22/6	2/6
A deodorant.		
<b>STALLAX</b> -	22/6	2/6
For a shampoo		
<b>JETTALINE</b> -	31/6	3/6
For clearing the skin.		
<b>PHEMINOL</b> -	36/-	4/-
A depilatory.		
<b>MENNALINE</b> -	36/-	4/-
For the eyelashes.		
<b>MERCOLIZED WAX</b>	31/6	3/6
A face cream.		
<b>STYMOL</b> -	36/-	4/-
For oily complexions and blackheads.		
<b>BARSYDE</b> -	22/6	2/6
Dandruff eradicator.		
<b>TAMMALITE</b> -	22/6	2/6
For grey or faded hair.		
<b>LIQUID PERGOL</b> -	31/6	3/6
To check excessive perspiration locally.		
<b>BICROLIUM</b> -	22/6	2/6
For whitening the hands.		
<b>HARAPOSA</b> -	22/6	2/6
Nut oil shampoo.		

STOCKED BY ALL WHOLESALE HOUSES

### COLONIAL DEPOTS AND AGENCIES.

- AUSTRALIA:**  
ALL WHOLESALERS and  
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.
- SOUTH AFRICA:**  
LENNON & CO., Ltd. (Cape Town)  
SIVE BROS. & KARNOVSKY Ltd. (Johannesburg)
- INDIA:**  
KEMP & CO., Ltd. (Bombay).  
R. MACLURE (Madras).  
SMITH, STANISTREET & CO. (Calcutta).  
MEHTA BROS. (Calcutta).  
JAMNADAS BROS. (Bombay).
- NEW ZEALAND:**  
SHARLAND & CO., Ltd. (Auckland & Wellington).
- SOUTH AMERICA:**  
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

## TOOGOOD'S GRADUATED MEDICINE TUMBLERS



Best Crystal  
Engraved Graduations  
+ Tablespoons  
11/6 doz.

Second Quality  
Engraved Graduations  
9/6 doz.

### In Leather Cases

Best 23/- doz. Seconds 17/-

### In Card Cases

Best 13/6 doz. Seconds 11/6

Tumbler and Minimum  
Measure in Leather Cases

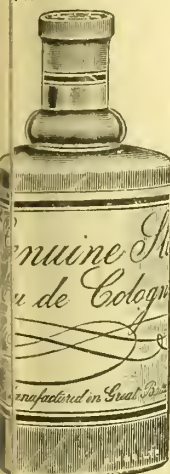
Best 29/6 doz. Second 23/-

**WILLIAM TOOGOOD, Ltd.**  
77 Southwark Street  
London :: :: S.E. 1



# HOVENDEN'S Popular TOILET PREPARATIONS

THREE STAR.



No. 1497.  
9 36/- & 66/- Doz.

## FLORAL HAIR CREAM.

Fixes and Imparts Brilliancy to the Hair and is Non-Greasy.

WHITE OR VIOLET.

A  
Preparation  
now in  
Great Demand

No. 4620.  
12/6 per doz.

An Extra Bottle as  
every dozen of the



and  
Rising  
in  
Popularity.

No. 4619.  
7/- per doz.

Bonus given with  
No. 4620 size.

FOUR STAR.



No. 4707.  
52/- & 98/- Doz.

POUDRE COMPACTE  
PARISIENNE.

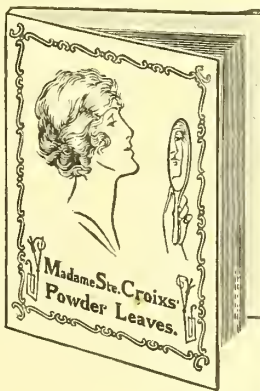


SHADES: Blanche, Rachel,  
Naturelle, Rose, Brunette.  
10/- Gross; 9/6 Doz.

MME. STE. CROIX'S  
POWDER BOOKS.

SHADES: Rose,  
Naturelle, Rachel,  
Blanche.

40/- Gross;  
3/6 Doz.



MME. STE. CROIX'S  
POUDRE DE RIZ.



SHADES: Rose, Naturelle, Rachel,  
Blanche, Assorted Perfumes.  
80/- Gross; 7/- Doz.



## MARRIS'S ALMOND TABLETS.

In use over 30 Years.

Invaluable for Chapped Hands and Lips. Will improve the appearance of the Hands, however neglected they may have been. Each Tablet is put up in an Artistic Enamelled Box, as illustration. We shall be pleased to supply Showcards.

-/9 box, 5/6 per dozen; 1/3 box, 9/9.

Subject to 2½% Cash Discount. A copy of our Monthly Illustrated List will be sent on application.

## R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., LONDON, W.1.  
Tel. No.: Museum 2810 (3 lines).

And 89, 91, 93 & 95 CITY RD., FINSBURY, LONDON, E.C.1.  
Tel. No.: London Wall 6260 (2 lines).

Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.

# PERMANOL

## The New Super

## Hair Colouring

PRICES :

Large Size,

**84/-**

per dozen.

Retailing at

**12/6**

per case.



GIVES LIFE &  
YOUTHFUL COLOUR  
TO GREY HAIR  
IN 15 MINUTES  
—36 SHADES—

PRICES :

Small Size,

**30/-**

per dozen.

Retailing at

**3/6**

per case

PUT UP in 36 distinct natural colours, classified in 6 different series of 6 numbers each. Each series is composed of the same ingredients and assists in choosing a darker or lighter shade of the same hue.

1st Series—THE BROWNS—from Jet Black to Light Brown.

2nd Series—THE WARM BROWNS—from Warm Black to Light Warm Brown.

3rd Series—THE ASHY BROWNS—from Ashy Black to Light Ashy Brown.

4th Series—THE AUBURNS—from Darkest Auburn to Lightest Auburn.

5th Series—THE ASHY BLONDS—from Darkest Ashy to Light Blond.

6th Series—THE GOLDENS—from Darkest Golden Brown to Extra Light Golden Blond.

Also "Permanol Blue Label" for bleached hair, made in 36 corresponding numbers and colours to the above.

From OSBORNE, GARRETT & Co., LTD., 51 Frith Street, London, W.1; CALMON & NEATE, 8 Gerrard Street, London, W.1; HENRY SERVENTY, 51 Great Marlborough Street, London, W.1; HOVEDEN & SONS, LTD., Berners Street, London, W.1; TITTERTON & HOWARD, 10 Great Titchfield Street, London, W.1, or direct from the Manufacturers.

**PERMANOL LTD., 10 GEE'S COURT, LONDON, W.**

WE ARE ACTUAL MANUFACTURERS OF

## POWDER PUFFS

Send for Price List of our Special Lines of Wool Pads and Mignonnette

WHOLESALE AND EXPORT ONLY.

BRUSSELS. **THEO. VAN DER HEYDEN,**

118-122 HOLBORN, E.C. 1. Tel.: Holborn 1873.

PARIS:

17 Rue de la Grange  
Batelière.

# LOTOZONE

## SHAMPOO DE LUXE

A superior tonic and hygienic Shampoo at a popular price. Packed in dainty slide cartons. Elegant in appearance and delightful in use. Perfumed with Irish Elegance. Counter boxes supplied.

Full particulars on request.

THE EVAN WILLIAMS COMPANY, LIMITED, 18 Ogle Street, LONDON, W.

## TOILET PREPARATIONS

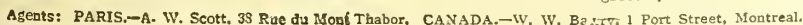
LOTOZONE TOOTH PASTE  
LOTOZONE CREAM

LOTOZONE FACE POWDER  
LOTOZONE POWDER PAIR

The Shampoo Salesman, free on application, gives full details of prices and profit.



*Telegrams:* "Aedeprelon, Smith, London."



# THREE GOOD SELLERS THAT PAY WELL

## FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT  
PERFUME AND  
REFRESHER IN  
SOLID FORM

Retails (P.A.T.A.)  
Minimum - 3/-  
giving at least 10d. Profit  
on each sale.  
26/- - - per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

## CARNATE

(Regd.)

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum 1/6; 12/- per doz.

## ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.  
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/8  
21/- per doz., stamped.

**R. DEMUTH'S LABORATORIES,** 68 Salusbury Road and Montrose Avenue, LONDON, N.10

Telegraphic Address: "Boulhene London."

Telephone: 525 Wilton

## SUMA HAIR CREAM

Superior to most.  
Very Attractive Line.  
In two sizes 8/- & 11/- per doz.

*Special Bonus offered:*  
With orders of 3 doz. of each  
size half-dozen small as bonus.

**WALDEN, WALDEN & CO.**

*Manufacturing Perfumers.*

89 GREAT PORTLAND ST.,  
LONDON, W. 1.

*"Newberys"*  
FRANCIS NEWBERY & SONS LTD.

## Dental Cream of Distinction

IN THE FOLLOWING FLAVOURS—

Formalin & Mint	Carbolic
Oxygen	Smokers'
Areca	Thymol
Cherry	

W W W

A first-class article, attractively packed  
which cannot fail to bring repeats.

**CHARTERHOUSE SQUARE,**  
LONDON, E.C. 1



# Summertime!

**T**HERE is magic in the word as well as in the scene which it conjures up. Ages have passed since the fateful summer of 1914; cut off so abruptly by the dread spectre of war. Since then summers have come and gone almost unrecognised. To-day the pulses leap and the heart rejoices at the proximity of a real summer, and the parental determination to "take the family away" for the summer holiday will be strong and not to be denied.

## WINDOW DISPLAY OFFER.

For an order of £4 in value and over, which may be assorted, we will give 13 to the dozen, together with a good supply of coloured leaflets, "Vitalising the Skin," and showcards, and cash allowance for window display of 5/-.

Midgley's Sunburn Soap is just the line to attract visitors to your Pharmacy. It relieves painful sensation of Sunburn, and prevents the skin peeling. Midgley's Peroxide Soap and Cream are "seasonable" lines which make a strong appeal, being got up in artistic wedgwood blue cartons. Both preparations are charged with an active percentage of peroxide, preventing and removing tan and freckles from the skin.

## SUGGESTED PARCEL.

	Dozens of 13	COST	Min. Retail	RETURN
3½ doz. tablets Sunburn Soap @ 6/-		18 0 ...	@ 8d. ...	£1 6 0
3½ " Peroxide Soap @ 7/6		1 2 6 ...	@ 10d. ...	1 12 6
3½ " Peroxide Cream @ 13/6 ...		2 0 6 ...	@ 1/6 ...	2 18 6
		£4 1 0		£5 17 0
Cash Window Display Allowance		0 5 0		= 35% profit on
Carriage paid— net Cost ...		£3 16 0		Return.

Address order to the Sole Manufacturers and Proprietors.  
GEORGE HOLLIDAY & CO., Ltd., 325 City Road, MANCHESTER.



There are many cheaper Creams than Tokalon  
— but your Customers don't want them.  
There may be better Creams than Tokalon  
— but just try to find them!

## CREME TOKALON



PRICES 1/6 &amp; 2/6

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon Cream and Powder to your customer the first time, but from then onward they sell themselves. After once testing these remarkable products the customer will not feel satisfied with any others.

**Why  
Crème Tokalon is  
so different from  
all others.**

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

COMPLEXION PERFECTION  
is merely a matter of using  
**CRÈME  
TOKALON**  
(Pronounced Toke-a-lon)

## POUDRE TOKALON



PRICES 1/11 &amp; 2/1

## PRICE CHANGES

(Operative on and after May 1st).

	NEW Retail Selling Price.	Old Price.
Crème Tokalon (small) ... ..	1/6	1/3
" " (large) ... ..	2/6	2/-
Poudre " (small) ... ..	1/11	1/9
" " (large) ... ..	no change	2/11
" " Comprime (Aluminium) ... ..	1/6	1/3
" " " de Luxe (with Mirror) ... ..	3/-	2/6
Rouge " Comprime (Aluminium) ... ..	2/-	1/6
Santonex (Double Outfits) ... ..	5/6	4/6
" (Single Outfits) ... ..	3/6	2/11
Eyebrow Pencils .. ...	no change	1/3
Lip " ... ..	no change	1/6
Denta Crème ... ..	no change	1/6
Brilliantine ... ..	2/6	2/-
Talcum Powder ... ..	no change	1/6
Levathol Concentrate ... ..	5/-	3/6

Our Goods, bought  
on best terms,  
show you  
**57 % PROFIT**  
on your outlay.

Showcards sent  
on request.

Carriage Paid on all  
for 3 doz. or over.

**Why  
Poudre Tokalon is  
so different from  
all others.**

The extreme  
finesse of Poudre  
Tokalon is produced  
by the "air-float"  
process which we use  
exclusively in manu-  
facturing the powder.

**YOU SHOULD ALWAYS KEEP THESE QUICK-SELLING LINES IN STOCK.**

TOKALON LIMITED, 212-214 Great Portland Street, London, W.1.



# AMAMI

## British Manicure Preparations *are Standards of Dainty Excellence.*



5006. MANISET.

1507	Nail Polishing Stone, better than pre-war, at	6 9 doz.
1504	Orangewood Sticks, perfect finish	... „ 13 6 „
1505	Emery Boards	... „ 13 6 „
1510	Cleansene, removes stains	... „ 13/6 „
1519	Cuticle Fluid	... „ 13 6 „
1511	Cuticle Cream, healing antiseptic	... „ 9 - „
1500	Crayons, in boxwood cases	... „ 6 9 „
1517	Polishing Cream, combined polish and cream	... „ 13/6 „
1513	Ruby Cosmetique, tints finger tips	... „ 13 6 „
1514	Varnish	... „ 13 6 „
5006	Maniset	... „ 33 9 „
5008	Maniset, also for Counter Display	... „ 123 9 „

liberal Bonus for Window Display.

## RICHARD & CONSTANCE,

Court Perfumers,

Established 1831,

69 Holloway Road,  
LONDON, N. 7.

Australian Agents:

Pike & Ripley, SYDNEY.



5008. MANISET.

# 'CUTEX'

## NAIL PREPARATIONS

Are you taking full advantage of our Press Advertising. See the 'Daily Mirror,' 'Sketch,' 'Bystander,' 'Graphic,' 'Sphere,' &c.

### PRICE LIST.

No.		Per doz.	P.A.T.A.
1	'Cutex,' the Ideal Cuticle Remover, Sm ll ...	21 6	2 6
2	" " " " " Medium ...	43 -	5 -
4	" Nail White ...	21 6	2 6
5	" Polish Cake, White ...	21 6	2 6
6	" " " " Pink ...	21 6	2 6
7	" " " " Trial size ...	7 -	10 1/2 d.
22	" " " Stick in Metal Tube ...	16 -	2 -
8	" " " Powder ...	16 -	2 -
9	" " Polishing Paste, Pink ...	21 6	2 6
10	" " " " Plain ...	21 6	2 6
11	" Liquid Nail Enamel ...	25 6	3 -
13	" Cuticle Comfort ...	21 6	2 6
14	" Nail Bleach Powder ...	21 6	2 6
15	" " Rouge ...	21 6	2 6
16	" Compact Manicure Set ...	36 6	4 -
17	" Travelling " " ...	93 -	11 6
18	" Boudoir " " ...	186 -	22 -
31	" Cold Cream ...	21 6	26 -



No. 16. COMPACT SET.

HAVE YOU THIS SET IN STOCK—IF NOT, WE ADVISE YOU TO ORDER SOME AT ONCE. IT IS A WONDERFUL BRINGER OF REPEATS FOR THE FULL-SIZED ARTICLES.

Sole Agents for the United Kingdom:

# HENRY C. QUELCH & CO.

4 & 5 Ludgate Square, London, E.C.4:



# ALTERATIONS IN TRADE LIST PRICES

During APRIL, 1920

The following list relates to the changes in prices which have occurred in respect to staple products or important alterations of prices of products in less frequent demand:—

NOTE —The prices given below are current trade list prices to which 10% is to be added to arrive at the Minimum Selling Prices to the public.

## 'TABLOID' BRAND—

	Trade List Price per doz.		
	25's	100's	500's
MANGANESE AND IRON CITRATE, gr. 3, s/c ...	12/0	36/0	—
" " " " " gr. 5, s/c ...	15/0	45/0	—
" THYROID GLAND, gr. 1/10 ...	—	12/0	—
" " " gr. 1/4 ...	—	12/0	—
" " " gr. 1/2 ...	—	12/0	54/0
" " " gr. 1 ...	—	14/0	63/0
" " " gr. 1½ ...	—	18/0	81/0
" " " * gr. 2 ...	—	20/0	—
" " " gr. 2½ ...	—	24/0	108/0
" " " gr. 5 ...	—	42/0	189/0
" " " 0.05 gm. ...	—	14/0	—
" " " 0.1 gm. ...	—	18/0	—
" " " 0.3 gm. ...	—	42/0	—
" TEA, SPECIAL BLEND ...	—	18/0	—
" THYMOL, gr. 5 ...	—	120/0	—

\* No change in price

	Trade List Price per doz.
'ALAXA,' 4 oz. ...	42/0
'BIVO' BEEF AND IRON WINE, 8 oz. ...	54/0
" " " " " 16 oz. ...	96/0
" " " " " WITH QUININE, 8 oz. ...	54/0
" " " " " " 16 oz. ...	96/0
MENTHOL COMP. PLASTERS, Regular 7½ in. × 5 in. ...	18/0
" " " " " Rolls, 1 yd. ...	96/0
'OPA' LIQUID DENTIFRICE, 2 oz. ...	42/0
" " " " " 4 oz. ...	78/0
'VALULE' BONE MEDULLA, gr. 5 ...	In bottles of 100 96/0
'VANA' TONIC, 16 oz. ...	90/0



BURROUGHS WELLCOME & CO., LONDON

# "JASMOL"

## VANISHING CREAM.

An ideal TOILET CREAM, well got up, exquisitely perfumed, NON-GREASY or STICKY, packed in screw Glass Bottles, Aluminium Capped and nicely cartoned.

Retails at **1/3** Wholesale Price **10/6** per doz.

LESS USUAL DISCOUNT. HANDSOME PICTORIAL SHOWCARDS SUPPLIED.

*"JASMOL" is a line that repeats many times over when once introduced.*

*Sole Manufacturers,*

### CUPAL Ltd., BLACKBURN

# 'Ialine Disinfectant

Also  
**FLUIDS**

containing  
10 — 80 %  
Tar Acids.

High Co-efficient

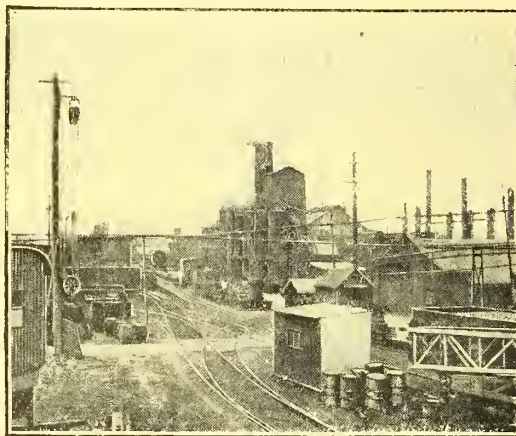
**FLUIDS**

up to 18—20  
Rideal-Walker  
Method.

**LYSOL**

**SHEEP  
DIP**

Approved by the  
Board of Agriculture  
for Sheep  
Scab.



### Coal Tar and Ammonia Products

Benzols, Toluol, Solvent Naphthas, Carbolic and Cresylic Acids, Creosote and Fuel Oils, Pitch, etc. etc. Timber for Dock and Harbour work. Deals, Battens, Boards, Floorings, etc. Railway Sleepers and Crossing Timbers, Telegraph Poles, etc. etc. Saw Millers and Timber Preservers.

**Burt, Boulton & Haywood, Ltd.** Salisbury House,  
London Wall, E.C. 2

Telegrams: "Burboul, Ave. London." Cables: "Burboul London."  
Codes: A B C (5th Edit.); Lieber's; Western Union; Bentley's.

CARBOLIC  
POWDERS  
CREOSOTE  
POWDERS  
CO-EFFICIENT  
POWDERS  
PINE OIL  
POWDERS  
PINE OIL  
FLUIDS  
PINE OIL  
BLOCKS  
NAPHTHALENE  
BALLS  
" CANDLES  
" TABLETS  
" FLAKE  
" BLOCKS  
" POWDER  
LIQUID SANI-  
TARY SOAP  
WOOD PRE-  
SERVATIVE  
ETC. ETC.





**Weekly Journal of Pharmacy and of the Chemical and Drug Trades**

**CHEMIST AND DRUGGIST** is in circulation and reputation as a journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the British and Druggists' Society of Ireland, and of many Chemists' and Druggists' Associations in the Overseas Dominions.

**Subscription Rates.** TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Single copies may begin with the first issue of any month. Single copies, post free; *Diary*, 6s. post free. Postal orders and cheques would be crossed "Bank of Liverpool and Martin's Ltd."

Abonnement annuel: le Journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

Advertising may be obtained on application to the Publisher  
**OFFICE: 42 CANNON STREET, LONDON, E.C. 4.**  
 Chemists, Cannon, London, Telephone: Central 3617 (three lines).  
**OFFICES: MELBOURNE AND SYDNEY, AUSTRALIA.**

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## Coming Events.

**Wednesday, May 12.**

London and Monmouthshire Pharmacists' Local Associations  
 at Gwalla Hotel, Llandrindod Wells. at 3 P.M. Annual

**Friday, May 14.**

Pharmaceutical Association. Annual meeting.  
 Pharmaceutical Students' Association, Wentworth Café,  
 Lecture by Dr. Gunning.  
 of Great Britain, Albemarle Street, Piccadilly,  
 at 9 P.M. Professor Karl Pearson, F.R.S., on  
 "Evolution of Man."  
 Society of Pharmacists, Drug and Chemical Workers  
 (Pharmacists' Section), the Progressive Pharmacy Club,  
 at Arundel Street, Strand, London, W.C. Meeting  
 (Postponed from May 11.)

**TRADE-MARKS** recently registered in Ger-  
 many following appear: "Genasprin" (Genatosan,  
 John Andrew Curran,  
 and "Nikalgan" (Gordon W. Edwards,

has been formed in Japan with a capital  
 for the purpose of importing medicinal  
 in Germany. A commission will shortly pro-  
 ceed to undertake the necessary purchases, and  
 to negotiate the buying of dyestuffs.

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### Railway Rates Inquiry.

The Rates Advisory Committee will begin to sit on May 11, the first part of its inquiry relating to the principles which ought to govern the complete revision of railway freight rates. The first meeting will be held in public at 11 A.M. at a place to be advertised later. The terms of reference to the Committee are that it shall report on (1) the principles which should govern the fixing of tolls, rates, and charges for the carriage of merchandise by freight and passenger train and for other services; (2) the classification of merchandise traffic, and the particular rates, charges, and tolls to be charged thereon, and for the services rendered by the railways; (3) the rates and charges to be charged for parcels, perishable merchandise, and other traffic conveyed by passenger train, or similar service, including special services in connection with such traffic. Any persons, companies, or associations desiring to be heard at the public inquiry should communicate with the secretary to the Rates Advisory Committee, at the Financial and Statistical Department, Ministry of Transport, Gwydyr House, Whitehall.

### Chemists' Defence Association, Ltd.

The nineteenth annual report of the Chemists' Defence Association, Ltd., for 1919-1920, which will be presented at the annual meeting in July, has just been issued. The membership is now 5,628, an increase of 381 names on the number last year. The accounts are for the year ended December 31, 1919, the income amounting to 3,929l. 8s. 10d., of which 3,505l. 16s. is obtained from subscriptions, the veterinary section being responsible for an additional 12l. 5s. 3d. The expenditure amounted to 2,446l. 7s. 4d., the largest item being for salaries, 691l. 17s. 10d. The sum of 339l. 17s. 8d. was paid on claims, and legal expenses amounted to 382l. 5s. 4d. Other three-figure items were: "The Anti-Cutting Record," 339l. 1s. 6d.; "The Year Book," 109l. 3s. 9d.; and printing and stationery, 106l. 12s. 2d. The Association has 13,423l. 9s. 4d. invested in stocks, and issued capital amounts to 1,466l. The legal charges incurred under the Profiteering Act cases will not appear until the 1920 accounts are published owing to the solicitors' method of rendering their accounts.

### Ministry of Health Committee.

In reference to the committee that has been appointed to consider the control of therapeutic substances (*C. & D.*, May 1, p. 65), the Ministry of Health has issued an explanation which states that the "therapeutic substances" referred to are recognised remedial substances the purity and standard of efficacy of which cannot be adequately ascertained by the employment of ordinary chemical tests as can that of the great majority of medicinal substances. This determination can only be done in the substances under consideration in properly equipped laboratories by the employment of biological or physiological methods. The substances in question may be divided into two classes:

(1) Bodies such as serums and vaccines, of which a well-known example is the antitoxin given in cases of diphtheria.

(2) Mineral and vegetable bodies of another kind. The most familiar examples of which are salvarsan, the well-known remedy for syphilis, and digitalis, a remedy in certain forms of heart disease.

At present there is not in this country, as there is in some others, any effective supervision and control of the manufacture or standardisation of many of the important agents mentioned above. The work of the committee is, among other things, to devise measures to co-ordinate and control the various tests and standards employed by firms and persons engaged in the preparation and sale of these

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st week of a reply to an advertisement in THE CHEMIST AND DRUGGIST SUPPLEMENT, which reached us by the latest method of transit. The letter was from a French pharmacist in Paris and was sent by air to ensure quick delivery. The young man was apparently anxious to secure a situation advertised in THE CHEMIST AND DRUGGIST in order to improve his English and give him an insight into English pharmaceutical methods. It is to be hoped that such commendable enterprise did not go unrewarded.

**INSTITUTE OF PHYSICS.**—An Institute of Physics has been formed with the object of securing recognition of the position and value of the physicist. The first president of the Institute is Sir Richard Glazebrook; Robert Hadfield is treasurer, and Professor A. W. Porter, secretary. The other members of the Board are: E. S. Allen, Instructor Commander T. Y. Baker, Professor F. J. Cheshire, Dr. R. S. Clay, Mr. F. Cooper, Professor W. H. Eccles, Major E. O. Dr. C. H. Lees, Mr. C. C. Paterson, Major Phillips, Dr. E. H. Rayner, Mr. T. Smith, and R. S. Whipple. Mr. F. S. Spiers has been appointed

**PRICE OF LARD.**—The Ministry of Food announce that the maximum wholesale price of imported refined lard is 65s. 6d. per cwt. delivered to the retailer's premises. On and after May 10 the retail maximum price of imported refined lard will be 1s. 8d. per lb.—a reduction of 1d. on the present retail maximum price. This reduction does not apply to home-produced lard, which is controlled by the Ministry of Food. But the maximum prices for imported lard apply to any mixture of lard manufactured from pigs raised in the United Kingdom and lard manufactured outside the United Kingdom.

**EXAMINATION OF MINERAL WATERS.**—Mr. Albert Shaw, Secretary of the National Union of Mineral Water Manufacturers' Associations, writing to the "Daily Telegraph" makes an assertion that mineral waters are not taxed, after a careful review of all the conditions, we come to the justifiable and carefully ascertained conclusion that the table-water tax payable on one dozen of sweetened waters is 3d., and that the duty on brandy and spirit adds a further infliction of 3½d. per bottle and this is not the whole of the taxation on our beverage. The cost of sugar to manufacturers is increased in order that domestic consumers may enjoy a cheaper rate. In 1914 we of the mineral-water industry bought sugar at 15s. per ton. To-day it is over 20s. per ton. The surcharge on manufacturers beyond the domestic price is 70s. per cwt.

**COURTS.**—At Harwich, on May 4, Edward (17) was bound over on a charge of stealing a camera, value 2l. 12s. 9d., from the shop of Mr. Robert Marshall, chemist and druggist. The evidence showed the accused, after stealing the camera, left it at a dressmaker's shop as "security."—At Marlborough Street, London, on May 5, George Mount (42), of 11, Nevill Road, Earl's Court, was charged with obtaining a cheque for 126l. 5s., the property of his firm, the Association of British Chemical Manufacturers, Peadilly. Mr. P. H. Chambers, who prosecuted, the accused was also secretary to an allied association of disinfectant manufacturers, and in March last obtained that body the cheque in question for clerical expenses and subscription towards the prosecuting association. He never accounted for it and absconded. Mr. U. Woolcock, M.P., the general manager, produced evidence that he had received from the prisoner confessing his guilt and pleading for leniency. It was found that the prisoner's books had been falsified to the extent of 150l. The prisoner, who gave himself up, now admitted "guilt," and asked for leniency, saying he had a wife and four children and a father and mother entirely dependent on him. Mr. Chambers, on behalf of the prosecution, in the request for merciful consideration, suggested that the prisoner be sentenced to four months' imprisonment in the second division.

## Irish News.

### Brevities.

The expenditure on medicines and appliances in Newry Union during the past year was 240l.

Mr. J. E. O'Neill, J.P., R.D., Maghera, has been nominated as a candidate for the Maghera division of the County Council of Londonderry.

Mr. G. R. Calvert, Ph.C., Main Street, Ballyclare, co. Antrim, is extending his shop, taking in the premises next door, and converting the whole into a first-class pharmacy.

An official return issued by the Dublin Port and Docks Board shows that 3,139 tons of drugs and chemicals was imported into Dublin during 1919, against 2,695 tons in 1918, and the exports for the same periods were 147 and 244 tons respectively.

The drug-trade in Belfast has arranged to entertain to dinner on May 19 the Northern Section of the delegates who represented them during the recent strike negotiations. Invitations have been sent to Sir Thos. Robinson and Alderman McWalter, Dublin.

The Local Government Board has written Clones Board of Guardians stating they will raise no objection to the acceptance of the higher tender for medicines, even though the former contractor was the lowest, when he had not given satisfaction in supplying medicines with punctuality.

## Scottish News.

### Brevities.

The tender of Mr. George M. Milne, chemist and druggist, Turriff, for drugs, etc., has been accepted by the Turriff parish council.

The public health authorities of the city and county of Perth have made arrangements for free vaccination, on account of the prevalence of small-pox in Glasgow.

"The fact that many firms now make their sole trade announcements in the pages of the *C. & D.* is being duly noted and appreciated by Scottish chemists," writes a correspondent.

The estimates of the Scottish Board of Health for the current year include an item of 206,000l. for the treatment of tuberculosis and one of 56,500l. for that of venereal diseases.

Two well-known Grangemouth chemists, Mr. Robert Marshall and Mr. James Ferrier, have been appointed Vice-President and secretary respectively of the Grangemouth Merchants' Association.

Mr. James A. Hughan, chemist and druggist, has acquired the business of Mr. John Stewart, chemist and druggist, Kirkcudbright. Mr. Stewart, who is retiring, has been in business over fifty years.

A doctor recently told a chemist that on entering a patient's room he could diagnose such diseases as pneumonia, diphtheria, and influenza by the prevailing odour. Perhaps such skill accounts for the increased fees!

### Dundee.

Arising out of a case of a woman charged with stealing, who was stated to be addicted to drugs, the "Dundee Advertiser," quoting a medical practitioner, says, in reference to opium and chlorodyne, that many of the retailers are very strict in observing the regulations, but there are others who are not, and until the utmost stringency is enforced the evil will go on. A chemist whose opinion was also sought, however, gave a different account of the state of affairs. He said they had always to be on the alert in guarding against the blandishments of the victims of the habit. All manner of shifts were resorted to by

them to secure the drugs, but these were generally easily seen through.

#### Edinburgh.

Local chemists will close Tuesday, May 18—Victoria Day.

The Scottish Board of Health has acquired additional premises at 121A Princes Street.

Nicholas France, described as an American sailor, has been charged in court with having assaulted the late Mr. W. B. Cowie on April 25, and has been remanded.

It was announced at a recent meeting of Edinburgh University Court that the King has consented to lay the foundation-stone of the new chemical laboratories at Craigmillar in July. It is estimated that the chemistry school, when completed, will have cost 250,000*l*.

The latest half-yearly balance-sheet of St. Cuthbert's Co-operative Association, Ltd., shows net sales in the drug department as follows: Bread Street, 4,495*l*.; Tyne-castle, 2,279*l*.; Hamilton Place, 1,422*l*.; Nicolson Street, 2,083*l*.; Montrose Terrace, 1,085*l*.; Haddington Place, 1,837*l*.; Morningside Road, 1,017*l*.

The extensions of the chemical laboratories and classrooms of the University are to be proceeded with immediately on the ground acquired for extension purposes at Blackford Hill. The portion required for the advanced students is to be completed at once. Three laboratories are for advanced students and two for the intermediate students. There will be three lecture theatres and a series of rooms fitted up for research purposes.

The local Chemists' Golf Club held two competitions during April. On April 14 the Gibson Medal stroke competition, played over Baberton Golf Course, resulted: First, Mr. J. Robertson; second, a tie, by Messrs. Philp and R. Thomson. On April 28 the first of four competitions to be played during the season for a new trophy, presented by John Mackay & Co., Ltd., Edinburgh, resulted: First, Mr. A. J. Clark; second, Mr. A. F. Dawson; third, Mr. J. Finlay.

#### Fife.

Kirkcaldy chemists have adopted the Glasgow and West of Scotland retail price-list.

Mr. C. Barclay, chemist and druggist, Glencraig, has been awarded a prize in a competition for a window-display of Carter's seeds.

Mr. Charles S. S. McDonald, chemist and druggist, Kilnheugh, Auchtermuchty, is moving to more commodious premises in Burnside.

Beath parish council is providing the poor of the parish with free medical attendance, medicines, and extra nourishment at the discretion of the medical officer.

#### Glasgow.

There has been a rearrangement of the times of despatch of the night mails to England and the South and West of Ireland.

An outbreak of fire occurred at the premises of Brotherton & Co., Ltd., Provan Chemical Works, on May 1. The damage is estimated at 300*l*.

Mr. Henderson, Ph.C., late manager of the Central Pharmacy, Dunfermline, has joined the staff of the Tutorial College of Pharmacy, Glasgow.

A series of lectures on "Flowers and Plant Life" is to be given by Dr. David Ellis at the Royal Technical College. The course, for which the fee is 5*s*., includes five excursions in the neighbourhood.

Advertising in the "Glasgow News" of April 17 for a position as works chemist, an ex-lieutenant includes among his qualifications, "Degrees, Chemistry and Physics Examination of Pharmaceutical Society."

Several cases of small-pox have recently occurred here, and the medical opinion is that there is grave danger among the thousands of unvaccinated children in the city. It is proposed to open the tuberculosis dispensaries for the purpose of vaccination. The corporation has decided that cases of chicken-pox are to be notifiable from May 1 until July 31.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered (in

H. THURGAR, LTD. (P.C.).—Capital, 500*l*. Objects: take over the business of a chemist and druggist carried on by the late R. Knowles at High Street, Leigh, Essex. The first directors are C. Knowles, H. R. Thurgar. R.O.: The Pharmacy, High Street, Leigh.

TYNE CHEMICAL PRODUCTS, LTD. (P.C.).—Capital, 6,000*l*. Objects: To carry on the business of manufacturers of and dealers in soap, starch, blue, washing, bleaching powders, chemicals, by-products, dyes, paints, varnishes, etc. R.O.: 16A Grainger Street, Newcastle-on-Tyne.

W. G. WALKER & SONS, LTD. (P.C.).—Capital, 500*l*. Objects: To carry on the business of marine chemists, pavement and asphalt contractors, road makers and repairers, etc. The first directors are: W. D. Vass, and J. Thomson. R.O.: Hawkhill Works, West Sanguhar Road, Ayr.

GOODALL & Co. (HULL), LTD. (P.C.).—Capital, 200*l*. Objects: To carry on the business of manufacturers of medicinal and other salts, patented jams, biscuits, table jellies, custard powders, fruits, sweets and confectionery, baking powders, food, cattle foods, etc. R.O.: 3 St. Stephen Street, Hull.

T. J. SHORT & Co., LTD. (P.C.).—Capital, 200*l*. Objects: To carry on the business of chemists, druggists, dentists, opticians, dysalsters, oil and colour men, etc. To adopt an agreement with T. J. Short and (Hart) Permanent directors: T. J. Short (governing director), 41 King Street, Southall, Middlesex, chemist; C. Harrison, 25 Nightingale Road, Clapton, E. 15. R.O.: 41 King Street, Southall.

CURTIS & PRICE, LTD. (P.C.).—Capital 500*l*. Objects: To carry on the business of wholesale and manufacturing pharmaceutical, analytical, technical, and medicinal chemists and druggists, chemists' and druggists' sundries, dysalsters, oil and colour men, etc. The first directors are F. F. Curtis, 20 Bury Street, W.C. 2, and Price, 44 Flatgate Road, E. 11. R.O.: 18 Bury Street, British Museum, London, W.C.

LADY CHEMISTS, LTD. (P.C.).—Capital, 2,500*l*. Objects: To carry on the business of chemists, druggists, and opticians, to employ qualified persons to act on the company's behalf, etc. The first directors are: Mrs. Osborne, Fredensborg, Tennyson Road, Mill Hill, N.W. 7; Elsie S. Hooper, B.Sc., F.I.C., Ph.D., 72 Daws Lane, Mill Hill, N.W. 7; and Mrs. Nellie Pedda, 72 Daws Lane, Mill Hill, N.W. 7. R.O.: 72 Daws Lane, Mill Hill, N.W. 7.

BOOTS CASH CHEMISTS (EASTERN), LTD.—The report for the year to March 31, 1920, states that the profit was 30,678*l*., and 21,049*l*. was brought in, making a total of 51,727*l*. After placing 5,000*l*. to freehold reserve, 3,000*l*. to contingency reserve and making provision for one quarter's dividends due March 31, 1919, there was 21,227*l*. to be carried forward.

BENGER'S FOOD, LTD.—The report for the year to March 31, 1920, states that after providing for directors' and auditors' fees and taxes, the profit resulted in a profit of 58,561*l*., which, with 62*l*. carried forward, gives a disposable balance of 65,42*l*. On March 31, 1920, the directors have paid interim dividend on capital of 1*s*. per share, free of tax, on ordinary account, 5,000*l*. to tax reserve account, and to reserve. These appropriations absorb 3,000*l*., a disposable balance of 30,923*l*., which directors intend to deal with by payment of balance dividend of 1*s*. 3*d*. per share, free of tax, on ordinary account, absorbing 4,500*l*., and now recommending a dividend of 1*s*. 3*d*. per share, free of tax, on ordinary account (making 2*s*. 3*d*. for year), and to carry forward



## Legal Reports.

**Poison.**—In the City of London Court, on the Ratin Bacteriological Laboratory, 43-45 Finner Street, claimed 25*l.* from Mr. E. Talbot, Glebe, Hanworth, Middlesex, for forty large Ratin bacterial culture for the extermination 12*s.* 6*d.* per bottle. Defendant's solicitor, Mr. [unclear] said that the material would not kill rats or do [unclear] promised. Plaintiffs' manager said that the [unclear] had been well known throughout the country for [unclear] years. There was no justification for the suggestion. Mr. Taunton added that his client could not [unclear] Court. The first lot he had was all right, but the second lot was all wrong.—Judge Atherley-Jones, [unclear] for the plaintiffs, with costs.

**Ointment Case.**—At Bristol Police Court, on [unclear] Strode Cosh & Penfold, chemists, Broadmead, [unclear] for selling zinc ointment 26 per cent. zinc oxide. There were two summonses. Mr. [unclear] appeared to prosecute. Mr. E. J. Watson defended and said that the facts of the case were admitted. [unclear] said that the samples taken were found to contain 11 per cent. of zinc oxide, whereas the British Pharmacopoeia gave 15 per cent. Mr. Watson said that [unclear] that the inspector took was a small quantity [unclear] made up. When it was mixed up it was [unclear] had who was told to keep it stirred while it was [unclear] he neglected to do, and the result was that the ointment "taken from the bottom" contained a quantity of zinc oxide in excess of 15 per cent. [unclear] true that the B.P. laid down 15 per cent. [unclear] as the standard, but medical men frequently [unclear] zinc ointment with a lesser percentage of the [unclear]. He read letters from several Bristol doctors [unclear], and testifying to the excellent service that [unclear] gave in making up prescriptions. The [unclear] that there had been carelessness, and that the [unclear] case would be met on payment of costs.

**Shampoo Lotion.**—In the Shoreditch County Court, on May 4, before Judge Cluer, Joseph Ash, 101, Finsbury Street, Bethnal Green, a hairdresser, asked [unclear] under the Workmen's Compensation Act, [unclear] Berg, 229 High Street, Shoreditch, master [unclear]. Mr. Stockwell appeared for the respondent. [unclear] it's case was that on February 1 he shampooed [unclear] and afterwards found that there was a great [unclear] on his hands, which he put down to the shampoo. [unclear] he went to St. Bartholomew's Hospital, [unclear] doctor told him he was suffering from eczema. [unclear] he shampoo lotion. From that time onward [unclear] attended the hospital and his Insurance doctor, [unclear] were both convinced that his condition was due [unclear] to shampoo lotion. He had been earning 3*l.* 5*s.* a [unclear] which 2*l.* a week was wages and 1*l.* 5*s.* tips. [unclear] ded that his affection lasted seven weeks, but [unclear] quite well again. He had worked in all for [unclear] or the defendant. In answer to Judge Cluer, [unclear] he had no sample of the shampoo lotion, nor [unclear] an analysis made of it; neither had he got [unclear] present, but he could easily get him. Mr. [unclear] have my expert witness here to prove that [unclear] impossible to catch eczema from this shampoo [unclear] Judge Cluer: We cannot get on without the [unclear] the case will have to be adjourned for him to [unclear].

**Libel.**—The action for libel brought by Dr. McElhinney, Ph.C., 69 Morehampton Road, [unclear] co, Dublin, against Mr. James Quinn, B.A., [unclear] the writ as a "grinder," was listed for hearing before Justice Gordon without a jury at the Four [unclear] on, on April 30, for the assessment of damages, [unclear] having been struck out by an order of the [unclear] C. & D., April 10, p. 57). Mr. William [unclear] C., for the defendant, applied to Mr. Justice [unclear] order that an affidavit made and delivered on

April 27 by the defendant be deemed to be in due compliance with the order for discovery made by the Court on February 12; and that the defendant having duly complied with the order for discovery be at liberty, notwithstanding the order of the Court made on March 31 to proceed with his defence and to make such defence as he might be advised. The defendant, counsel said, had been conducting his own defence without professional assistance, and on March 31 an order was made by the Court setting aside his defence, and the case was to come before Mr. Justice Gordon that day merely for the assessment of damages in default of defence. The defendant had recently employed a firm of solicitors, and he had made an affidavit in which he stated that he would comply with the order of the Court to the best of his ability, and that he regretted the mistake that he had made, which was owing to his lack of knowledge of legal procedure. The plaintiff's solicitor (Mr. Lane Joynt) had written to defendant's solicitors (Reddin & Reddin) on April 29 stating that counsel for the plaintiff would raise no objection to the Court giving liberty to the defendant to file a proper defence within whatever time the Court thought proper provided the defendant paid on the following day (April 30), before the case was taken out of the list for trial, the costs of the motion already taxed and the costs of the following day, amounting in all to 52*l.* 8*s.* 2*d.* Counsel said his client was willing to pay whatever his lordship thought right, but he considered the figure mentioned by Mr. Lane Joynt was excessive. Mr. T. M. Healy, K.C., said the defendant was a B.A. and grinder of law students, and he had boasted in his correspondence of his knowledge of the law. He had committed an atrocious libel on the officers of the Court by stating that his first affidavit, which Mr. Justice Dodd rejected, had been approved of by them. He had libelled the plaintiff, a professional man, a chemist, by writing in reference to him eighty letters of the vilest kind, not against his character as a chemist, but stating that at his Matriculation examination he had been personated by another man. The defendant had sent these documents to doctors, to policemen, to local clergy of every denomination, to every political organisation.—Mr. McGrath suggested that Mr. Healy should not go into the matter prematurely. Mr. Healy said the defendant's original affidavit was a fraud upon the Court, and Mr. Justice Dodd had so held. Without a guarantee that the costs would be paid up to date the plaintiff would resist this motion, because he was that day entitled to judgment on what was virtually an undefended action. And he would also have got an injunction to restrain the defendant from further circulating the libel. The defendant's conduct was gross indeed, and he had not purged his contempt. In one of his letters he stated that he had two hundred more of these circular libels, and that he would smash the plaintiff. The plaintiff had a clear case, and the defendant should not be allowed to put him out of a trial, for it would be shown that the charges made by the defendant were merely the emanations of a diseased mind. Mr. Justice Pim made an order giving the defendant liberty to proceed with his defence provided he paid to the plaintiff's solicitor within a week the costs up to date, amounting to 52*l.* 8*s.* 2*d.*; and he directed that the action be tried by a judge without a jury on May 14. Counsel subsequently proceeded to Mr. Justice Gordon's Court, in which the action was listed, and informed the judge of the order which had been made by Mr. Justice Pim. Mr. Justice Gordon expressed his approval of what had been done.

GOLD watches and medals were recently presented by Brunner, Mond & Co., Ltd., to employes who had been with them for thirty-five years or more, and silver watches to those who had twenty-five years' service or more to their credit. Mr. Roscoe Brunner, in making the presentation, said that at three principal works (Winnington, Sandbach, and Lostok) 20 per cent. of their staff of 6,929 have been with them over twenty-five years. At Winnington eight men have worked forty years, nine forty-one, two forty-two, and two the maximum of forty-six.

## The Profiteering Act.

### Notes.

#### "IGNORANT CLAMOUR."

Writing on the Profiteering Act in "The Sunday Times" of May 2, Mr. Harold Cox remarks: "This Act was originally passed as a political concession to ignorant clamour. Its administration has involved considerable expense to the State, and an immense amount of inconvenience as well as insult to honest traders. It has done nothing whatever to prevent the continuance of high prices, but it has served some useful purpose by demonstrating that the clamour which led to the passing of the Act, had no justification. This is clear to anyone who will take the trouble to study the reports issued. . . ."

### Appeals.

The appeal of Parke's Drug Stores, Ltd., against the decision of the Chelmsford Profiteering Committee in respect of a sale of  $\frac{1}{2}$  oz. of camphor for 6d. (*C. & D.*, 1919, p. 1430), has been withdrawn.

At the sitting of the West Riding Appeal Committee at Leeds, on May 3, Taylors' Drug Co., Ltd., Burley Hill, appealed against a decision of the Bradford Profiteering Committee ordering a refund of 2s. on a "tubelette" of menthol-and-wintergreen cream sold at 3s. 6d. at their branch shop in Kirkgate, Bradford (*C. & D.*, April 10, p. 58). Messrs. Taylors were represented by Mr. Stewart, who said that the tubelettes were retained in two sizes (1s. 6d. and 3s.), but appellants only stocked the smaller size. A circular had been issued by the Anglo-American Pharmaceutical Co., Ltd., advancing the price of the tubelettes to 3s. 6d., and the appellants thought that the advance referred to the 1s. 6d. size, as the price of menthol had increased from 10s. 3d. per lb. (the pre-war price) to as much as 95s. per lb. The mistake was discovered, before any complaint was made, through an announcement in a trade journal, and instructions were given to the manager to refund 2s. to each of three customers who had paid 3s. 6d. instead of 1s. 6d. So soon as the notification of the complaint came from the clerk to the Committee, the complainant was sought and was offered 3s. 6d. Mr. Stewart maintained that the Anglo-American Pharmaceutical Co.'s notice had misled his clients, and a representative of that company stated that their circular had been misleading, inasmuch as many inquiries had been made with respect to it. The chairman said that the Committee had come to the conclusion that there was not sufficient reason for them to interfere with the Bradford Tribunal's decision, and dismissed the appeal.

At the sitting of the Middlesex Appeal Committee, on May 3, an appeal was brought by Mr. W. W. Harrison, chemist and druggist, 20 Walpole Gardens, Chiswick, against the decision of the Chiswick Profiteering Committee ordering a refund of 2d. on 1s. 6d. charged for a box of Dun's castor-oil capsules and recommending a prosecution (*C. & D.*, March 20, p. 50). Mr. R. R. Stimson (instructed by Neve, Beck & Kirby), who appeared for the appellant, said that on January 31 last, when the capsules were asked for, the assistant inquired the price from Mr. Harrison, who referred him to a list. After looking up the price, the assistant charged 1s. 6d., but when the box was taken home the complainant found a label on the box with the figure "10d." He did not think that in this case the label or mark on the label should be taken into consideration at all. The point was as to whether appellant made a profit which might be considered unreasonable. Mr. Harrison, giving evidence, said that he purchased the business with the stock in 1918, and he did not know what was paid for the capsules. He had not the slightest idea of the wholesale price, but the wholesale price now was 13s. per dozen boxes. Mr. Osmond E. J. Radnor, Mr. Harrison's assistant, gave corroborative evidence. Mr. Stimson, addressing the Committee, said that if a man was adjudged to be a

profiteer to the extent of 2d. it was not good in the neighbourhood. He submitted that this was a case which should not have been dealt with under the Profiteering Act, for there was clearly no intentional extortion or unreasonable profit. The Chairman: The Act deals with the intention: the Act deals with facts. said it was not an Act for punishing mistakes. an Act to prevent people from making unreasonable profit and for punishing them if they did it intentionally. The Chairman: Is not your view of the case that did not know the price was marked on the box, did not know what it was to be sold for until you saw at the "British and Colonial Pharmacist" list which purported to give the minimum price? You thought they should be sold at 10½d. a dozen, and you were charged two dozen for 1s. 6d.? Counsel asked that in those facts legal proceedings should not be taken. Chairman: We cannot interfere with the direct legal proceedings. The complainant and a representative of the local Committee having given evidence, the man said that the Tribunal were of opinion that an appeal must be allowed. He thought that under the circumstances there was reasonable care and a reasonable charge had been made.

### Complaints.

DOVER.—At a recent sitting of the Profiteering Committee, a complaint was received that a chemist charged 3d. on a bottle containing six pennyworth of liniment, the money on the bottle not being refunded. It was decided to investigate the case further and summon the parties to appear.

CREWE.—At a recent sitting of the Profiteering Committee, Mr. John Cumming, chemist and druggist, 10 Victoria Street, was the respondent in a case calling for profiteering in orange shellac, the price charged being 1s. per oz. The case was defended by the Eastern Defence Association, Ltd. It was shown to the satisfaction of the Committee that the replacement value of shellac was 11s. per lb. (wholesale), and that the price made was not unreasonable. The complaint was dismissed.

SOUTHWARK.—At the sitting of the Profiteering Committee on May 4, the hearing of the complaint against Mr. W. Banbury, chemist and druggist, Newing, Brixton, S.E., of having overcharged for a packet of potassium permanganate (*C. & D.*, April 17, p. 53) was resumed. At the previous hearing the respondent was unable to attend. On this occasion the complainant was present. Respondent produced his sales account for the period which showed that he only received 2d., in 3d. packets, for the packet. If he sold an ounce, he would charge 1s., but these 2d. packets had to be weighed out a drachm each. The acting clerk said that the packet weighed only 53 grains. Respondent explained that he was weighing up these small quantities one packet at a time, a few more grains than another. In this case the complainant's remark, as if he had a scale, was not to his advantage. Respondent added that he priced his goods according to the London Chemists' Retail Price List. The chairman said that the Committee had decided to accept Banbury's evidence that he only received 2d. for a packet of permanganate of potash: they had also come to the conclusion that the profit made was not unreasonable. They requested him to be careful in weighing up small quantities.

CAMPBOR is superior to its substitutes in the preparation of celluloid, according to a correspondent—"Birmingham Mail."

AMMONIUM POLYSULPHIDE solution (the yellow sulphide solution of the laboratory) is displaced by polysulphide for agricultural purposes, writes a correspondent.

ANOTHER UNPROFITABLE PATENT.—It is stated in an issue of a Midlands paper, on the authority of a verger, that a poultice of green grass fresh cut and pressed against the throat of a child suffering from whooping-cough, wards off death.



# Pharmaceutical Society of Great Britain.

## Council-meeting.

MEETING of the Council was held on May 5 at Bloomsbury Square, London, W.C. All the members present, with the exception of Mr. J. Rymer Young, absent through illness, and the chair was occupied by the side, Mr. W. L. Currie. For the first time in a period of years, visitors were present at the Council. The persons of Mr. James Jack, chairman of the Council of the North British Branch and of the Pharmaceutical Federation, and Mr. J. Rutherford Hill, secretary of the North British Branch. The meeting was continued from the private meeting of the evening, at which the minutes of the meeting of April 7 were read and confirmed.

### THE LATE MR. W. B. COWIE.

THE PRESIDENT said he could not refrain from referring to the death of Mr. W. B. Cowie, of Edinburgh, a member of the Executive of the North British Branch, and a man of high standing in pharmacy, both in England and in Scotland. He would not refer in detail to the circumstances leading up to Mr. Cowie's death further than to say that he had not been in the very best of health, but his death followed an attack made upon him by a German sailor and an accomplice while visiting London. Those who had attended meetings of the Pharmaceutical Conference must have enjoyed Mr. Cowie's society. He was always bright, and endeared himself to all with whom he came in contact. He proposed a resolution expressing sympathy and condolence, which should be forwarded to Mr. Cowie's widow and family.

THE VICE-PRESIDENT seconded the proposition.

MR. CURRIE, as a colleague of Mr. Cowie, and as one who had been very closely associated with him, said that it was a great regret of all that the life of one who gave so much to the service had been cut short in so sudden a way.

The proposition was adopted in silence.

### ON BEHALF OF NORTH BRITISH BRANCH REPRESENTATIVES.

THE PRESIDENT remarked that before proceeding with the business of the evening, he might refer to the pleasure members of the Council experienced at having with them on that occasion Mr. Jack and Mr. Rutherford Hill. (Applause.) Their presence would afford them an excellent insight as to the way in which proceedings were conducted around the Council table.

### THE ANNUAL MEETING.

THE PROPOSITION of Mr. GUTHRIE, seconded by the President (Mr. BILSON), it was unanimously agreed that the ninth annual general meeting of the Society should be held at twelve o'clock on Wednesday, May 19. The President reminded the Council that some time ago it was expressed that the hour of the annual meeting should be fixed for three o'clock, in order to enable members from the country to attend. On the occasion of the forthcoming meeting, however, it was felt that it might be desirable to expedite business if it were held at noon, in order that the result of the Council meeting should be declared the same night. The candidates for vacant seats were more numerous than in previous years. These were twenty-two in number, and the counting of the votes recorded in favour of each candidate would occupy a great deal of time. Personally the President would be a great pity, if not a misfortune, if the meeting had to be held in suspense over the night. The result of the election. (Laughter.) In consequence of the hour of the meeting should be twelve o'clock, they were only reverting to what had been the case in previous years, and even then the results of

the Council Election were not declared till the following day.

### ELECTIONS AND RESTORATIONS.

It was agreed that 125 persons be elected members of the Society, that 104 be elected student-associates, that 350 be restored to the Society, and that one be restored to the Register. The Registrar reported that there had been 164 registrations of apprentices as students since last meeting.

### DIPLOMAS GRANTED.

It was agreed to grant diplomas to the pharmaceutical chemists who passed the Major examination in April.

### CORRESPONDENCE.

The Secretary stated that he had received a letter from the Privy Council concerning the report by Dr. Wilcox, the Government visitor to the examinations conducted in London during the year ended March 31.

A letter had also been received from Mr. J. Hearle, hon. treasurer of the By-law Protest Committee, forwarding a cheque for 28*l.* 17*s.* 4*d.*, the balance standing to the credit of that Committee after defraying all expenses. Mr. Hearle added that the Committee had directed him to request that the sum mentioned should be placed to the credit of the Orphan Fund. The assent of the subscribers to the fund had been obtained so that the money should be devoted to that object. (Applause.)

THE PRESIDENT: It is a very graceful act on the part of the Committee, and we must thank them for it. (Applause.)

The secretary intimated receipt of a letter from Mr. J. Rutherford Hill, resident secretary in Scotland, enclosing the annual report of the Executive of the North British Branch, together with an epitome for insertion in the annual report of the Society.

THE PRESIDENT remarked that the Council would agree with him that the report was an exceptional one, and still marked progress in the North. The onus which fell upon Mr. Rutherford Hill had been greatly relieved by the active help rendered by Mr. Jack, who was last year appointed chairman of the Executive.

MR. GUTHRIE, commenting on the report, said that one gratifying feature of it was that the membership of the North British Branch continued to increase, and now exceeded by 150 what it was in the previous year.

MR. MELHUIS congratulated the North British Executive and its officials on the success of its work during the period covered by the report.

MR. SKINNER, commenting on the success of the scientific meetings, remarked that the question of holding a number of these in London is now engaging the attention of the House Committee, and he hoped that in this respect they would be able to submit next year even a better report than any that might come from Edinburgh. (Laughter.)

MR. DEAKIN emphasised the importance of scientific meetings, and pointed out that several of the papers read at Edinburgh had been of great practical utility to pharmacists.

MR. JACK expressed his appreciation for being privileged to be present, and his thanks for the expressions of the approval of the work of the Society. His main object in accepting the chairmanship of the North British Branch was to do the best he could in the interests of pharmacy. It was not his intention to wreck the Society, but its members realised that he had an independent spirit and an independent mind. The North British Branch had during the past twelve months carried through a great amount of work in a quiet, unostentatious manner, and much of its success was due in large measure to the systematic arrangement of details, which Mr. Rutherford Hill, the resident secretary, always ensured members of the Executive. Concluding, Mr. Jack assured the Council that his experience of the way in which the business of the Society was conducted would help him very much in his efforts to carry out the duties of his position.

It was agreed that the supplementary paragraph forwarded by the resident secretary in Scotland should be incorporated in the annual report of the Society.

## REPORT ON APRIL EXAMINATIONS.

The report on the examinations held in April showed that in England and Wales there had been twenty-three candidates for the Major, of whom twelve passed and eleven failed, and in Scotland four, of whom three passed and one failed. For the Qualifying examination there were in England and Wales 347 candidates, of whom eighty-one passed Part I. and 125 passed Parts I. and II., while in Scotland there were 110 candidates, of whom thirty passed Part I. and fifty-nine passed Parts I. and II.

## FINANCE COMMITTEE.

The financial statement is summarised as follows: Receipts since the last meeting, including a balance of 1,543l. 8s. 3d., amounted to 5,230l. 14s. 6d., made up as follows: Ground rent, 98l. 5s.; penalties and costs, 67l. 6s. 10d.; "Journal" and publications, 17l. 16s. 1d.; registration-fees, 390l. 12s.; subscriptions, 2,339l. 18s. 6d.; examination-fees, 729l. 15s.; restoration-fees and certificates, 7l. 2s.; dividends, 29l. 1s. 10d.; and fees for microbiology course. After deducting payments amounting to 3,074l. 1s. 1d., authorised at last meeting, there was a balance of 2,156l. 13s. 5d. The other balances were: Benevolent Fund (current account), 502l. 15s. 2d.; Benevolent Fund (donation account), 372l. 19s. 3d.; War Auxiliary Benevolent Fund, 821l. 2s.; Orphan Fund, 255l. 7s. 5d. The financial statement of the Local Associations Executive Committee for the period March 21 to April 19 showed an income of 107l. 9s., and expenditure 310l. 17s. 1d. The report of the Finance Committee recommended the payment of accounts amounting to 3,110l. 7s. 10d., and that the action of the secretary in making payment of various items amounting to 591l. 9s. 7d. be approved. It also recommended that 4,000l. be invested in new Treasury Bonds.

Miss BUCHANAN stated that a question which had been worrying her was whether there was any sinking fund relating to the subscriptions of life members. According to the accounts, there seemed to be nothing at all of that sort adequate to make provision for the Society's responsibilities towards life members. She also inquired if there was any adequate sinking fund making adequate provision for the superannuation of the staff.

The TREASURER (Mr. BILSON) replied that there is no sinking fund under either of the heads mentioned.

Mr. CUFF stated that he was a member of the Finance Committee some years ago, and it was his distinct and strong recollection that at that time a sinking fund in connection with life members' subscriptions was started. He was under the impression that from then till now that fund had been continued.

Mr. SKINNER directed attention to the fact that recently a certain portion of the amount derived from the subscriptions of life members was allocated for the purpose of investment, so that the Society's responsibility was in one respect covered. With regard to the superannuation fund, he understood it was invested.

The TREASURER stated that there is a provident fund in existence. Every month the contributions to it made by the staff and the Society were invested.

Mr. WHITE, touching on the point raised by Mr. Cuff, said that his impression was that it was agreed some time ago that as the subscriptions of life members came in they should be definitely put to a definite fund, and that they should not be used for current expenses. After further discussion Mr. MELHUISH urged that if the points raised by Miss Buchanan were to be referred to the Committee, consideration might at the same time be given to his proposal for the formation of a contingency sinking fund. With regard to the proposed investment of 4,000l. in Treasury Bonds, he asked if it would not be well if the investment were made now.

The TREASURER replied that the feeling of the Committee was that if the money were invested there would not be the same inducement to spend. He therefore agreed that it should be invested at once. The question of the sinking funds would be considered by the Committee.

Mr. CAMPKIN, dealing with the question raised by Melhuish as to the best period for investment, remarked that those who had had to do with the investment of public funds for some years past and during the years of the war had found from experience that their hopes had been doomed to disappointment. He had in mind in his instance in which a good investment, written at 97, was now purchasable at about 62; and depreciation in values applied to War Loans as to everything else.

The VICE-PRESIDENT was of opinion that the bonds which the Treasury Bonds are issued are such as to prevent any serious depreciation, because there was a systematic arrangement by which if the Bank rate rose the Treasury Bonds would carry more interest. He regarded as a safeguard. But in any case, in view of the present state of the country, he regarded it as the duty of a public body, to invest their surplus money in bonds without any consideration whatever.

Mr. GUTHRIE assured Mr. Melhuish that the Finance Committee had carefully considered the question of investment.

The Council then sat *in camera* to discuss a report submitted by the Finance Committee for an increase of the amount of the annual subscription payable by members.

The report of the Finance Committee was adopted.

## BENEVOLENT FUND.

The report of the Benevolent Fund Committee recommended three grants in aid, amounting in all to 59l. 13s. 4d. These were agreed to.

## WAR AUXILIARY BENEVOLENT FUND.

The report on the War Auxiliary Benevolent Fund after recommending that two grants should be made together amounting to 130l., stated that the Committee considered the advisability of an alteration in the constitution and scope of the Fund, and the following suggestion was submitted by the secretary was approved:

"To assist by grants of money or otherwise employed a pharmacist in business for himself or otherwise in a public hospital or similar institution, or employed in wholesale or retail pharmacy by any firm or person, who are subscribers to the Fund, and also the sons or other dependents of such deceased employees or sons or daughters or dependents of registered chemists and druggists, provided that the Fund shall not be able to assist persons eligible for assistance from the Benevolent Fund."

Mr. HINES said he regarded the wording of the recommendation as rather vague, and asked for a clearer meaning.

The SECRETARY explained that first of all the recommendation provided that, as the Benevolent Fund was to be used for the benefit of any unqualified person who would be allowed to use the War Auxiliary Benevolent Fund to assist any unqualified assistant, a pharmacist in business for himself, or a pharmacist in a public institution. Then they could not open the Fund for the assistance of all those engaged in the wholesale trade having received large subscriptions from wholesale firms. It was thought they should render assistance to employees of wholesale firms who were subscribers to the Fund, and the resolution of the Committee proposed. It meant that they could confine their possible assistance to assistants of retail or wholesale pharmacists who were subscribers to the Fund. Then the words "sons or daughters or other dependents of registered chemists" were put in because then they could include orphans of pharmacists. The question arose as to grown-up persons, who, perhaps, had helped the Fund and had not, in consequence, been able to make for themselves, could be so described and help the Orphan Fund. By the proposed resolution would be made for help being disbursed to the out of the War Benevolent Fund. The Committee decided the War Benevolent Fund to be used to help persons.



HINES opposed the recommendation on the ground that the War Auxiliary Benevolent Fund was limited in scope and applied only to ex-Service men. He did not think they should bring such cases as those referred to the Committee within the scope of the fund, and he therefore strongly opposed the recommendation.

MR. HAGON inquired if the words meant that a man taken no active part in the war might receive from the fund. If so, it would be entirely opposed to the objects. That fund was established to help soldiers and those dependent upon them, not to reward those who failed to do their duty in the great war or who for any cause did not fight; "I strongly protest," he said, "against a penny piece of this money being used for the assistance or relief of anyone who was not directly engaged in the conduct of the war or who did not come into his duty to his country."

MR. SKINNER wanted to know what the paragraphs in the report really meant. He took the case of distress in the case of anyone employed by a wholesale firm who contributed to the fund. He was thinking of a few firms who had subscribed, but were likely soon to find themselves in a falling market. In such cases a certain amount of distress might arise. Would the fund be open for the benefit of the employés of these firms? If so, they would be liable to the danger of subsidising a lot of unemployment, as he feared the fund was not large enough to stand the strain. By adopting the recommendations he was easily run themselves in for the relief of some 5,000 people.

MR. DEAKIN said that he read the paragraphs with great interest, and confessed that he could not always see the meaning they were supposed to convey. He appreciated the remarks made by Mr. Hagon. He remembered that when the scheme was submitted to the Council, Mr. Parry, the chairman of the Council, with all the Celtic eloquence for which he was known, with earnestness and zeal that the fund was established for the benefit of those who had been or might be affected by the war. (Hear, hear.) It was on that occasion so much money had been subscribed. It was his opinion that the proposals now submitted to the Council needed the most serious consideration. It would be about 23,000% had been subscribed, and that about 4,000% had been expended. There was, however, a considerable amount still on hand, and he thought there would be no further contributions. If it was necessary that the fund should be invested for the purpose for which it was intended. He was struck by the remark of the secretary that no unqualified person should be benefited by the Benevolent Fund, although they were entitled to assistance to such persons indirectly out of the fund. It seemed to him that it would be better for the Committee to consider their proposals further.

MR. PARRY asked the permission of the Council to withdraw his recommendations and to take them back for the consideration of the Committee.

On the suggestion of Mr. Parry was agreed to, and the recommendations were adopted.

The following motion was proposed by Mr. Sargeant:

"That an instruction be given to the War Auxiliary Benevolent Committee to consider applications from ex-Service men who reside more than twenty miles from the examination centre with a view to the payment of fares to the examination centre in July."

MR. SARGEANT, in submitting the motion, said he did not propose it on merely sentimental grounds, although there was a good deal of sentiment connected with it. He thought that they would have considerable sympathy with the way of rendering relief to men in the war; but the Government, acting in the way they did, had relieved them of a very heavy burden of responsibility. The men did thoroughly well in being done for them, and, so far as was possible, were making the very best use of the facilities afforded them through the generosity of the War Auxiliary Benevolent Fund. They had to come up to London or go to

Edinburgh in July for their examinations, and there was a great cloud of anxiety hanging over many of them as to how they were to meet the necessary expenses. Surely the rendering of relief in such cases was one of the things for which the War Auxiliary Benevolent Fund was established. It did not matter what such assistance cost; he did not think they could consider that for a moment. What they had to consider was whether it came within the scope of the fund. He suggested that it was quite possible to appoint one or two local pharmacists in the areas where there are students to form a sort of interviewing board who would satisfy themselves and the Council that such students as made application for it really did require the assistance suggested in the motion. He thought there had been occasions when the Committee erred on the side of being a little bit stingy. (Mr. Parry: "Mention one instance.")

MR. GUTHRIE, in seconding the motion, thought the way it indicated was the proper one in which to expend some of the money that Mr. Parry appeared to be hanging on to with such extraordinary vigour. At the same time he hoped that gentlemen would not associate him as agreeing with the charge that the Committee had been unduly stingy. The money was subscribed for the benefit of the very people to whom the motion referred, and if they could show that they were in need of the money they should have it, even if it were the whole of it.

MR. HINES supported the motion because he came in direct touch with many cases in Yorkshire where assistance such as that recommended was absolutely necessary. If members of the Council were not empowered to render direct assistance in cases which came under their personal purview, they ought at any rate to be able to make direct recommendations in cases which would make the course clear for the Committee.

MR. SKINNER pointed out that the ex-Service students would be coming up in October as well. He would support the motion on the ground that many students would have, owing to pressure, to be sent from one centre to another, thus having to incur expenses which under other circumstances would have been avoided. For this reason he thought the Council should sympathetically consider the motion.

MR. DEAKIN said that he also would support the motion. At the same time he hoped no member of the Council would leave the Chamber with the idea that Mr. Parry had dealt with any case in any other than a generous, just, and liberal spirit. (Hear, hear.)

MR. CAMPKIN said he should have thought that the proposal was superfluous, because they were all united in the same kindly feeling towards, and appreciation of the services rendered by, the ex-Service men.

MR. WOLFF expressed confidence that the Council were sympathetic with the motion, but he thought that it should be considered in particular relation to the men who had "come down" in the examinations. Such a consideration might narrow down the claims very considerably.

MR. PARRY, in replying to the discussion, said that he had been charged with being stingy in allowing grants from the Fund. His reply was that there had never yet been a deserving case that had been turned down by the Committee. On the other hand, his attention had been called to a case in Mr. Hines's district where an application for relief had been turned down by Mr. Hines. As a matter of fact, the trouble the Committee had with him (Mr. Hines) was to hold him in leash and to prevent him giving the whole money away. In the administration of the fund he had been fortunate in having the assistance of a Committee full of sentiment, who had done their level best always to be as generous as possible, but who at the same time regarded the fund as a sacred charge which they had to guard against exploitation. He submitted that if the motion were adopted as drafted, and sent to the Committee, it would mean that they would have no option in discriminating as between deserving and non-deserving cases. They of the Committee had to make careful inquiries into each case that came before them, and in the majority of those with which they had



dealt they were surprised at the modesty of the applicant. Very rarely indeed had applications been received by the Committee, except from deserving parties. (Applause.) He suggested a modification of the motion so that it should not be made imperative, or appear to make it imperative, that the Committee were to have no jurisdiction, no right to discriminate as to deserving and non-deserving cases.

Mr. HINES resented the remark made by Mr. Parry that he had personally "turned down" an application which came before him in his own district. The statement was absolutely false. The application was "turned down" by the majority of a Board of which he happened to be a member. He called upon Mr. Parry to withdraw and apologise.

Mr. PARRY repeated that what he asserted was that an application for assistance had been turned down by a body of which Mr. Hines was chairman.

Mr. GIFFORD submitted that as Mr. Sargeant had achieved his object by inducing the chairman of the Committee to render assistance in the deserving cases to which the motion referred, there need be no further discussion.

Mr. SARGEANT agreed, and begged leave to withdraw the motion.

Mr. WHITE said that the difficulty of finding accommodation for the students who would visit London on the occasion of the examinations in July had engaged the attention of the School Committee. The influx of a thousand men, many of them of limited means, who could not afford to go round and pick up suitable accommodation, would cause some difficulty, and he thought it was only fair that the Council and members of the Society in London should relieve them of any anxiety. He was glad to say that negotiations had been opened with the Old Students' Association, and he proposed that a joint voluntary committee should be formed, some members of which would be the wives of members of the Council and of the Society, to arrange for adequate and comfortable accommodation being provided. He assured them that the whole of the money required would be found if the Society did not find it. (Hear, hear.)

Mr. SARGEANT suggested that if any accommodation could be provided for students who would sit for the examinations in Edinburgh it would be very acceptable.

The discussion on the subject then dropped.

#### LIBRARY COMMITTEE.

The report of this Committee gave the results of the April examinations in London and Edinburgh. It stated that 991 ex-Service students had enrolled themselves for the Preparatory course for the October session, and had received their books. It was clear that there would be a number of other ex-Service students for whom accommodation could not be found in schools until October 1921. It was recommended that the scheme for the preparatory course be extended to those who will be allocated for October 1921. The report also gave figures relative to the attendance in the Library, and the circulation of books, and donations to the Library. The report recommended that, in view of the large number of candidates expected for the July examination, the regulations be altered to give the Council the option until December 31, 1921, of determining whether candidates shall be examined in London or Edinburgh.

The report was adopted.

#### LOCAL ASSOCIATIONS EXECUTIVE COMMITTEE.

The report of this Committee stated that in connection with malaria clinics arrangements have been made whereby chemists throughout the country will have their services utilised where necessary for dispensing prescriptions issued by Tropical Disease Clinics of the Ministry. It is understood that the Ministry have divided the country up into regions, each in charge of a medical director, who has been informed by the Ministry that they desire the services of pharmacists to be used in this connection. The terms of payment are the same as the N.H.I., and the pricing of prescriptions will be undertaken by the Central Checking Bureau. The Ministry of Health have intimated that capsicum and thermogene wools are appli-

ances, and cannot be allowed on N.H.I. prescriptions. Metropolitan, South-Eastern, and South-Western meetings had been held in connection with the action scheme, and the formation of a federation decided upon in each case, certain modifications proposed rules being submitted and approved by the L.A.E. The Committee considered the Profiteer Amendment Bill and the possible amendments thereto from a pharmaceutical point of view. It was also decided to ascertain what amendments are being proposed by other trade organisations with a view to co-ordinated effort to obtain these where satisfactory, and Mr. Allison and Mr. Melhuish were appointed to meet representatives of the Chemists' Defence Association, and the Grocers' and Drapers' Federations. The following regarding patent-medicine duty formed the most important portion of the report:

The Secretary reported the outcome of the negotiations with the Chancellor of the Exchequer, and the result of action taken by the Association of Manufacturers of Proprietary Medicines, and decided to send the following resolution to that Association, and also to send a copy to the Proprietary Articles Trade Association offering co-operation in part of the Local Associations Executive in dealing with unremunerative proprietaries:

That the Local Associations Executive Committee with much regret the action taken by the Association of Manufacturers of British Proprietary Medicines in the proposals of the Chancellor of the Exchequer increasing the difficulties existing with reference to the Medicine Stamp Duty, and calls on all manufacturers of patent medicines and proprietary articles to give their customers a fair and adequate profit to retailers on all their sales.

It was recommended that the sum of 1500/- be sent to Mr. Mallinson by way of honorarium in recognition of the exceptional services rendered by him in connection with the Local Associations Executive.

Mr. NEATHERCOAT said that as the question of patent-medicine stamp duty was of vital importance to the pharmaceutical community, and pharmacists were viewed with alarm the result of the negotiations had taken place regarding it, he thought the members of the L.A.E. should offer some statement to the Council on the subject. It had certainly been hoped that the grievances of pharmacists would be righted by the action of the Executive.

Mr. DEAKIN then explained the steps that had been taken in the matter (*C. & D.*, April 24, p. 82).

Considerable discussion ensued, in the course of which regret was expressed that an arrangement was not at which would have secured for pharmacists a return on the articles on which stamp duty is levied.

The report was then adopted.

#### MINISTRY OF HEALTH COMMITTEE.

The report of this Committee dealt with questions affecting pharmacists which are likely to arise in connection with the control of public health by the Ministry of Health. In regard to the position of dispensing pharmacists, the report stated:

(a) That there is no statutory qualification for the dispensing of medicines other than poisons except the provisions of the Apothecaries Act requiring that the assistants to an L.S.A. must hold the Apothecaries' Certificate.

(b) That there is no statutory qualification for the dispensing of poisons except in a shop kept for the sale, retailing, and dispensing of poisons.

(c) That so far as Acts of Parliament go, the restrictions as to the qualification of persons who are employed to perform any pharmaceutical function in a hospital, public institution, or private dispensary.

The foregoing statements are subject to the provisions of the Insurance Act, whereby no one but a pharmacist can contract to supply dispensed medicines, and that contractors must do the dispensing themselves or must employ as dispensers qualified chemists who for three years prior to December 16, 1911, had been employed as dispensers to doctors or in public institutions.

(d) That there are a large number of hospitals and institutions in which dispensing is carried on, and a tendency for these institutions to grow in number and probably be greatly increased under any system of Health Control in the future.



in private medical practice and in institutions as hospitals, dispensaries, asylums, convalescent homes, there are persons who are not pharmacists who are acting as dispensers without the supervision of a pharmacist.

The foregoing pharmaceutical functions should be brought under statutory regulation.

There is no statutory qualification required of persons performing pathological, bacteriological, optical, and allied work undertaken as aids to diagnosis and treatment.

The report also contained the following scheme for a revision of the Major examination:

#### PRESENT MAJOR EXAMINATION.

Subjects:

To be a compulsory subject, but greater weight to be paid to the testing of chemicals in the B.P. Pharmacology.—To be re-named pharmacognosy, and to include training in pharmacy and the testing of preparations.

Subjects:

To remain as at present, but to be an optional subject.

To be continued as at present, but as an optional subject.

#### ADDITIONAL OPTIONAL SUBJECTS.

In its relation to medicine.

Physiological chemistry.

Pharmacology.

A candidate entering for the pharmaceutical chemist's examination to be entitled to take these three additional subjects in place of botany and physics.

A compulsory curriculum in an approved school should be required for this examination. A new pharmaceutical certificate which shall mention the subjects of the examination to be issued in connection with the revised regulations. Candidates who have passed the Major examination previously to be entitled to receive a new certificate on completion of the old certificate after an examination in the following subjects: (1) Physics in its relation to medicine; (2) Practical physiological chemistry; (3) Micro-

biology.

A suggested change in curriculum may offer a favourable opportunity for dividing the examination into two parts: Part I. to include pharmacognosy and one of the subjects; Part II. to include chemistry and one of the subjects.

(a) (the case may be) other optional subjects not included in Part I. The advantage of making this change would be that those now engaged in public pharmacy, who are holding a qualifying certificate only, could by taking Part I. of the course in one of the special subjects, and at the same time making real progress towards obtaining the pharmaceutical certificate.

The report continued: There is nothing in the Charter Act, 1852, which will prevent these changes being made in the Major examination. The proposals for additional subjects for the Major examination would involve the amendment of By-law 18. If the "Major" is discontinued in connection with the pharmaceutical chemist's examination, as it might be, the word "Minor" has been deleted from the By-law and regulations, several other by-laws will require amendment in this respect. Should the Council decide to provide the Major examination this will also require amendment with the new regulations.

There was also made to a post-graduate qualification which would include subjects which pharmacists may have to deal with in the near future. The subjects of examination would be: (a) Physics in its relation to medicine; (b) Practical physiological chemistry; and (c) micro-

biology. It was, however, considered inadvisable to include these subjects in the new qualification.

The Vice-President, in proposing the adoption of the recommendations, ventured the opinion that the most important that had been presented to the Committee for a very long time. Its recommendations and conclusions, if carried into effect, would have far-reaching effects. Having related the circumstances which led to the formation of the Committee, the Vice-President went on to say that the Committee had not necessary to look very fully into what the future would be for them if pharmacy was to occupy its position in relation to the Ministry of Health.

Mr. HINES suggested that instead of dealing in detail with the recommendations the better method would be for the Council in the meantime simply to receive the report. Personally, he deprecated the idea of adopting there and then the various recommendations which the report embodied, for the reason that they involved an immense amount of controversial matter.

The President pointed out that the report contained many matters of urgent importance.

Mr. SKINNER agreed that it was very urgent that they should press forward with the matters at issue, but submitted that there was a great deal to be said from Mr. Hines' point of view. Could they not at that juncture adopt the report and its recommendations in principle, leaving the details for subsequent discussion?

Mr. HINES expressed his readiness to accept the report in principle.

Mr. SKINNER submitted that the real point was that they wished to advance along definite lines, and he would like to see the Council adopt the report in principle as indicative of their desire to advance on more definite lines.

The Council then resolved itself into committee, when certain points in the report were discussed.

Subsequently in open meeting it was proposed by Mr. WHITE, and seconded by the VICE-PRESIDENT:

That the Council receive the report of the Ministry of Health Committee, approve of it in principle, and refer to the Library, Museum, and School Committee the duty of drafting the necessary by-law and regulations to carry it into effect.

Mr. HINES regretted that he must oppose the proposition. His point was that there was no good purpose served in adopting the report in principle and then proceeding to draft by-laws and regulations. There was a good deal to be said in opposition to the Committee's recommendations from A to Z, and therefore he suggested that they should simply receive the report and do nothing more. He moved accordingly.

Mr. SKINNER: Then what is to be done?

Mr. HINES: It is for you to say.

After further discussion the proposal of Mr. White was adopted.

#### A FAREWELL TO MR. JENKIN.

The President said that, as that was the last meeting of the Council at which Mr. Jenkin would be present as a member, he desired, on behalf of his colleagues, to express extreme regret that necessity had arisen for that gentleman to retire from the Council. He desired to make public reference to and acknowledgment of the services Mr. Jenkin had rendered to pharmacy as a member of the Council. He had never exceeded his duties and had always tried to do his best. He was sure everyone round the table was sorry to lose such a colleague as Mr. Jenkin had been, and all concurred in the expression of the hope that he would return to the Council chamber at no distant date.

Mr. WOLFF and the VICE-PRESIDENT endorsed what the President had said.

Mr. JENKIN, who had a cordial reception on rising to reply, said that at some future time he might have the opportunity of assisting pharmacy as a member of the Council. Just at present he felt that his duty called him in other directions. He had thoroughly enjoyed the three years he had spent as a member of the Council.

This was all the public business.

## Council Election Notes.

#### ELECTION ADDRESSES.

The election addresses of the various candidates have been given or summarised in our last two issues (April 24, p. 85; May 1, p. 70). Those before us reveal incidentally the importance attaching to the forthcoming election. That of Mr. A. R. Keith is a well-printed four-page leaflet containing, in addition to his address, a letter signed by thirty leading pharmacists, including members of the Society's Council. Mr. Lloyd's circular, also a four-page

publication, comprises his address, an account of his public activities, a supporting letter signed by the Vice-Presidents and secretary of the Birmingham Pharmaceutical Association, and a list of representative pharmacists who desire his return. The address of five of the retiring councillors—Messrs. Bilson, Cuff, Melhuish, Rowsell, and Young—which was published in the *C. & D. Supplement* of May 1 (p. lxxvi.), contains the following declaration of faith: We stand for—(a) *Rational progression* and sound development in all departments of pharmaceutical activity, as opposed to rash experiments in evolution. (b) *The building up* of the financial resources of the calling. (c) *Unity in attacking* the hostile and hampering influences under which pharmacists are suffering, as opposed to internal warfare on unessentials. (d) *Pharmacy for the pharmacist*, and a full recognition of his value to the community and the services.

The address of Mr. A. R. Melhuish, issued with a covering letter signed by the President and secretary of the Western (London) Pharmacists' Association, gives the following "platform": "A candidate's past may be of interest, but future activities are of greater importance—a steady progression, reform, tempered with a sound common-sense view of what is practical, and the closest interest in N.H.I. matters, organisation, and separate organisation for trade purposes, if necessary, together with Ministry of Health, educational, and last, but not least, labour problems, are all points which will claim my special attention, if elected."

In our present issue will be found, in the form of advertisements, appeals for support from Messrs. Antcliffe, Fouracre, Fullerton, Gilmour, Hardy, Irvine, Keith, Lloyd, Sparks, Spence, Todd, and Waring.

#### LETTERS IN SUPPORT.

We have received several letters urging the claims of particular candidates. The President and secretary of the Cumberland and Westmorland Chemists' Association write as follows in support of the candidature of Mr. Thomas Hardy: "He is in business as a retail chemist, and knows the difficulties under which the ordinary chemist has to make a living. He is a member of the Cumberland Pharmaceutical Committee, and was successful in securing a seat on the L.A.E. for the North-Western Division. . . . He is a level-headed business man, a forceful speaker and good debater." Mr. Percy Robinson, Norwich, appeals for support for Mr. S. F. Body and Mr. C. Ridyard in the following terms: "At the inaugural meeting of the enlarged East Anglian Federation it was agreed to support the candidature of Mr. S. F. Body (Southend). I would like, as President, to remind members that at present East Anglia has no direct representation on the Pharmaceutical Council, and that all pharmacists (especially those in rural areas, where the one-mile limit presses so hard) should vote for Mr. Body, their special nominee. The East Anglian Federation has made a mutual agreement with the Midland Federation to support Mr. Ridyard, Codnor, who is also particularly keen in the interests of country chemists. Needless to say, I do not mean to infer that there need be any antagonism between town and country candidates. . . . Mr. William Taylor, Heanor, writing in support of Mr. C. Ridyard's claim, states: "Some of the methods used to secure election may create an amount of 'glitter' which no big-minded man would adopt. . . . For instance, I have seen a public announcement that one of the new candidates is a member of a very important national committee with which I know he has no connection. I see another candidate making a strong appeal to Rexall chemists; and I observe in 'The Rexallite' an official notice that this candidate has 'no connection with Rexall in any way.' I see a further appeal made to Ucal chemists on behalf of a candidate—apparently by the President and secretary of the United Chemists' Association—who is not even connected with retail pharmacy. . . . There is one who stands out from the rest in the light of achievement. Ridyard of Codnor has not only 'moved' the Society, but the Ministry of Health also, and he is capable and young enough to keep things moving."

#### A PROGRESSIVE PHARMACY CLUB MEETING.

A meeting was held in connection with the forthcoming Council election at the Progressive Pharmacy Club, Arundel Hotel, London, W.C., on May 4. Mr. Skinner presided. The chairman explained that the gathering had been arranged to give Mr. Hines an opportunity of addressing London pharmacists. The intention was to ask Mr. Hines to address the meeting, and then, through a misunderstanding between Mr. Hines (the chairman) and the secretary, Mr. Keith's name was added. He had also received a letter from Mr. Joliffe on the subject. The chairman said that the meeting was rather hastily pressed by himself for that night, as he knew Mr. Hines would be in London, and told that he was the only one whose name did not appear in the list it would be only fair to give him a chance to do so. London pharmacists. Then Mr. Keith's name was added, and he had decided to call upon Mr. Keith first. Mr. Keith dealt with various questions now arousing interest in pharmaceutical circles of the country, and would place obstacles in the way of anyone who was qualified getting in, and he mentioned as a curiosity that two years ago practically every member of the Council was against the by-law. He would do his best, if he stood for the integrity of their qualification, and the time came round, he thought he and those who were with him would be able to contest their claims with the Government department. With regard to federation, he had been a federationist for many years. Some eight years ago he had attended, as a delegate, a meeting called for the purpose of discussing a scheme for the union of employers, but the idea was then turned down and fizzled out. Now it seemed that everyone was in favour of federation. The kind of federation in which he believed was one with a definite subscription, independent of the Council, to deal with all trade questions and negotiate with the employes' unions regarding hours of labour, and conditions. But he went further, he believed that they ought to take up questions of the kind Mr. Hines said he had been surprised to find it was in certain directions that there was no virtue in Mr. Hines of York. Apparently he had been turned down very deliberately, and he wondered what his criticism was. How was it that five of the candidates were so virtuous and he so full of vice? (Laughter.) Looking back at his old election address, he found that he had had territorial representation and a definite form of federation. With regard to the first, he had always felt that the pharmacy as such had never had a really conscious aim, individuals, men in business, they knew what they were out for. They were out to be successful in something, but pharmacy in its corporate sense had no definite aim at all. The result was that organisations like the I.S.P. had sprung into existence, and also the Chemists' Association. The Society had never attempted to have a conscious aim as pharmacists in business. The policy of the Society had been insincere. Turning to the Local Associations Executive, Mr. Hines pointed out that they had still co-opted members upon it. There had been real control, and that was the reason why they had advocated territorial representation. Mr. Melhuish, responding to the invitation of the chairman to address the meeting, said that pharmacists should sink their differences. He regretted the necessity should have been for the circular to which reference had been made. There were hard things said on both sides, but he was he to believe that any pharmacist thought that the action of their representatives signed that circular was a disgrace to the pharmacy? He did not believe it. With regard to the law, he and his colleagues treated the matter as a problem, and decided that the advantages of the new law they eventually took far outweighed the disadvantages. A vote of confidence in Mr. Keith and Mr. Hines was proposed and seconded, but subsequently, at the suggestion of Mr. Whitehead and Mr. John Humphrey, was withdrawn on the ground that the meeting had not been in favour of anybody's candidature. The chairman thanked those who had spoken.



## Births.

**JEWS.**—At "Cranford," Tennyson Avenue, Wandsworth, on May 1, the wife of Leonard Matthews, chemist (Matthews & Son, chemists), of a son.

**Y.**—At Boundary House, Barnet, on May 2, the wife of H. D. Roffey, chemist and druggist, of a son.

## Marriage.

**MS.—FIRMAN.**—At St. Paul's Church, Westminster Road, London, S.E. 1, on April 24, Norman Firman, son of the late Mr. F. J. Bothams, chemist, of Clarendon Street, S.E. 1, to Clara Firman.

## Deaths.

**E.**—At 91 Exeter Road, Exmouth, on April 26, Joseph Allen, chemist and druggist, aged eighty-four.

**C.**—At his residence, Horn Lane, Woodford Green, on April 29, Mr. Henry Boyce (B. A. Smith & Co., chemists, 4 Church Row, Aldgate, London, E.), aged eighty. Mr. Boyce, who was well known in wholesale circles, had been away from business for four years. It had been in indifferent health for some time since the loss of his son, who was killed in action at the end of August 1915, was a blow from which he never recovered. Mr. Boyce spent the earlier part of his career in Switzerland and Germany, coming to England in 1882, and was thus a link with a past time. Many of his business friends of those earlier years have passed away, but a few remain. He was a pleasant personality, having decided opinions and being able to express them vigorously.

**W.**—The funeral of the late Mr. W. B. Cowie, of 10, St. John's Road, was recorded in our last issue (p. 78), took place on April 30.

**W.**—William Macadie, Ph.C., Watford, sends us the following appreciation of the late Mr. Cowie:

"I was very much shocked by the sudden death of William Beaverville Cowie in the obituary list in your issue of April 24. We cannot but deplore the loss of a man 'whose sun has gone down while it was day.' As a former demonstrator at his school I have many opportunities of knowing Cowie as a chemist, as a man, and as a father. I remember the day as well as if it were yesterday when first I met Cowie. I was an apprentice in a high pharmacy; he was an assistant in the chemical department of T. & H. Smith, Ltd. I went with him to his office, and there he showed me two volumes of his papers. He proposed working through and practically going through the statements in that great classic paragraph by Dr. P. His capacity for sheer hard work was tremendous, and in some ways he resembled the late Colonel. The great outstanding feature of the man at that time was his personal magnetism. This personal magnetism coupled with his practice of the Biblical injunction ' whatsoever thy hand findeth to do, do it with all thy heart, might, and mind ' counted for his great success. Who, as a pupil, could resist the peculiar glitter of his eyes, as he ran through a shock of hair while he admonished me that I had an exaggerated idea of his own cleverness? He sparkled all day with wit and humour. Many a time I matched his wit with him, but invariably found the match turned against himself. He did a considerable amount of good by stealth; for instance, he coached me for an hour without charging me a penny, and also sent me a copy of the Royal Botanical Gardens for a course in advanced plant histology. In short, he was always willing to help those who were willing to help themselves. Cowie is dead, but his influence and ideals still remain with us."

**ARY.**—At 9 Lion Road, Rathgar, Dublin, on April 14, James North Hardy, Ph.C. Mr. Hardy passed the chemical examination in 1883.

**K.**—Loanhead, on April 28, Mr. Alexander Bain, chemist and druggist. Mr. Jack qualified in 1903.

**McLELLAN.**—At 199 Meadowpark Street, Dennistown, Glasgow, on April 29, suddenly, Mr. Gordon McLellan, manufacturing chemist, 23 Main Street, Calton.

**MORGAN.**—At 86 High Street, Egham, on April 20, Mr. William John Morgan, chemist and druggist, aged fifty-six.

**SLACK.**—At 25 Dinmore Road, Wallasey, Mr. John Lawrence Slack, chemist and druggist, aged eighty-two. Mr. Slack was one of the earliest chemists to qualify under the Pharmacy Act, 1868, his certificate being numbered 509.

**SMITH.**—At 34 Upper Park Road, Haverstock Hill, London, N.W., on May 1, Mr. Watson Smith, F.C.S., F.I.C., aged seventy-four. Mr. Watson Smith was born at Stroud, Gloucestershire, and educated at Owens College, Manchester, Heidelberg University, and the Zürich Polytechnikum. He afterwards acted as chemist in various factories, and lectured on technical chemistry at Manchester. For many years he was editor of the "Journal of the Society of Chemical Industry." He took considerable interest in some of the chemical problems which particularly concern pharmacy.

## Personalities.

**SIR HENRY BIRCHENOUGH** has been appointed chairman of the British Dyestuffs Corporation, Ltd., in place of Lord Moulton, who has resigned owing to pressure of judicial work.

**MR. J. PRIORIS**, Prioris & Ferrand, essential-oil merchants and importers, 54 Great Tower Street, London, E.C., has just returned from a business trip in the South of France after an absence of six months.

**MR. JAMES E. BARTLETT** has been elected president of Parke, Davis & Co., in succession to the late Mr. F. G. Ryan, whose death was recorded in our last issue (p. 78). Mr. Bartlett joined the firm in 1889, and in the following year took a special course in the Philadelphia College of Pharmacy. After graduating, he spent some months in the various laboratory departments, during which time he served as assistant foreman in the pill department, buyer, chief of the fire department, and superintendent of the laboratory. In 1896 Mr. Bartlett was sent to establish a branch office in Chicago. In 1913 he was recalled to Detroit to take a position in the management, and since then he has been successively elected assistant secretary, sales manager, and director. Mr. Bartlett succeeds to the office of president in the prime of life, and there is every prospect that he will continue the traditions of the house for many years to come.

## Wills.

**MR. WILLIAM STUBBS ROBSON**, chemist and druggist, 48 Belle Vue Street, Scarborough, who died on March 7, left property of the gross value of £1,134*l.* 13*s.* 3*d.*, with net personality £1,021*l.* 19*s.* 8*d.*

**MR. FREDERICK JAMES MACKINLAY**, retired chemist and druggist, Tue Brook Villa, Green Lane, West Derby, Liverpool, who died March 5, left property of the gross value of £1,114*l.*, with net personality £854*l.* 19*s.* 9*d.*

**MR. WILHELM MARTIN JOHNSEN**, Barnfield, Blyth Road, Bromley, and 26 and 27 Farringdon Street, London, E.C., of Johnsen & Jorgensen Flint Glass, Ltd., who died on February 24, left estate of the gross value of £125,744*l.* 19*s.* 6*d.*, with net personality £112,866*l.* 0*s.* 10*d.*

"**WELTWIRTSCHAFTLICHE NACHRICHTEN**" informs its German readers that the British exhibition in Athens failed to have the desired result, although the chemical exhibits were highly satisfactory. The British representatives were unable to state a definite time of delivery, whereas French firms did all the business that was to be done by offering better conditions and definite dates of delivery.

## Trade Notes.

THE telephone number of the City office of J. C. Eno, Ltd., Blackfriars House, Ludgate Circus, London, E.C. 4, is Central 5663.

**PRICE CHANGES.**—The alterations in the trade price-list of Burroughs Wellcome & Co.'s products are given in the firm's advertisement in this issue.

**OSMOS APERIENT WATER.**—A bonus offer of four bottles of Osmos aperient water is offered to chemists ordering one dozen on condition that a window-show is made.

**ALUMINIUM BOXES.**—Illustrations of some of the varieties of aluminium boxes made by Napper & Davenport, 7-11 St. George's Place, Birmingham, are given in the firm's advertisement.

**PERFUMERY LIST.**—The Empire Perfumery Co., Oldbury, have issued a new price-list of toilet requisites and perfumery, which will be sent on application. The list is well produced and beautifully illustrated. It contains the prices and terms of business.

**ASPIRIN TABLETS.**—H. & T. Kirby & Co., Ltd., Newman House, Belton Road, Willesden Green, London, N.W., announce the following revised prices for aspirin tablets: Fifties, from 7s. 6d. to 8s.; hundreds, 13s. 6d. to 14s. 6d.; in bulk per 1,000, 7s. 6d. to 8s. 3d.

**PEARS' PREPARATIONS.**—The following alterations have been made by A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C.1, in the protected retail prices of their preparations: Pears' lavender water, 4s. 6d., 7s. 9d., 15s., and 22s.; Pears' eau de Cologne, 4s. 6d., 7s. 9d., 15s., and 22s.; violet powder, 7½d. and 1s.; fullers' earth, 7½d. and 1s.

**LIQUID PINE SHAMPOO.**—Evans Sons Lescher & Webb Ltd., Liverpool and London, have just brought out a liquid pine shampoo for the hair, which is packed in amber long-necked bottles of distinctive design. The bottles have a capacity of 10 oz., and retail at 2s. 9d., with the chemist's name and address printed on the label in quantities of 1 doz. and upwards. A showcard is also supplied.

**MACLEANS' DENTAL CREAMS.**—We referred some time ago to the series of dental creams introduced by Macleans, Ltd., 6 Spring Street, Paddington, London, W. 2, and have now had submitted fresh designs. A feature of these is that the chemist may have his name and address printed on the tubes in the same colour as the decoration of the tubes. This obviates the necessity of a separate paper label. The dental creams are supplied with or without cartons. Uncartoned tubes are mounted on showcards by means of metal clips, so that one tube can be separated without disturbing the others.

THE SCIENTIFIC AND INDUSTRIAL BULLETIN, which before the war was published periodically by Roure Bertrand Fils, Grasse, and which was suspended since April 1914, has again resumed issue. The present number is the concluding one of the Third Series, and includes the table of contents, together with an alphabetical index of the last ten numbers. The book gives an account of the papers published during the period of hostilities up to October 1919, and it is evident that a considerable amount of valuable work in essential oils has been carried on during these trying years. The first number of Series No. 4 will be published in April 1921, and Messrs. Roure Bertrand Fils hope to continue half-yearly volumes recording the progress made in the perfumery and essential oils industries.

FURTHER efforts are being made to standardise British-made glass bulbs for electric lamps.

**MONEY NO OBJECT.**—"Don't think of the cost, but think of its results," is the advice given to the clients of Dr. Dubal, an Indian advertising in the "Bombay Chronicle." The doctor then enumerates his preparations; one, the "King of Tonic" pills, he sells at 75 rupees for fifteen pills. The rupee is worth 2s. 3½d., so that the fifteen pills would cost about 9l.!

## Business Changes.

THE BANDOENGSCHE KININEFABRIK has removed De Wittenkade 48-50, Amsterdam.

MR. W. W. BURR, chemist and druggist, High Street, Ryde, has disposed of his business to Boots, Ltd.

MR. MATTHEW W. BELL, Ph.C., has acquired the business of Mr. H. H. Hill, 142 Northam Road, Southampton.

MR. T. W. LIVESEY, chemist and druggist, Green Park, Blackburn, has recently extended his business by opening an optical department.

MR. H. BRISTOWE CARE, manufacturers' agent, St. Enoch Square, Glasgow, has taken into partnership his son, Mr. P. Bristowe Care. The business will be continued as H. Bristowe Care & Son.

THE CARAVAL CO., INC., dealers in chemicals and dyestuffs, New York City, U.S.A., have opened their London office at 110 Cannon Street, E.C. 4. The telephone number is City 3725, and the telegraphic address "Avelis, Cannon, London."

MR. H. F. FERRISS, chemist and druggist, Lee Green, London, S.E. 12, has purchased the business and goodwill of the late Mr. Place, chemist and druggist, Oakfield Road, Anerley, S.E., and will carry it on as a branch business.

M. MARIO ETTORE, manufacturer of chemical and pharmaceutical products and industrial oils, of Turin, informs us that his father, M. Pietro Ettore, has now joined him in his business, which will henceforth be carried on under the style of M. Ettore & Co.

DUDOK DE WIT & Co. AND MATTHES & BORMEESTER, of Amsterdam, inform us of the establishment of a joint partnership, under the style of Handelsvereniging van Dudok de Wit & Co. en Matthes & Bormeester which on April 27 took over the business carried on by the joint stock company Handelsvereniging van Dudok de Wit & Co. en Matthes & Bormeester.

THE MONSANTO CHEMICAL WORKS, St. Louis, Mo., U.S.A., announce that they have concluded arrangements with R. Graesser, Ltd., Ruabon, North Wales, for the manufacture of their products in Great Britain, jointly with those manufactured by R. Graesser, Ltd. The new company has been formed under the style of the Casser-Monsanto Chemical Works, Ltd. Mr. N. H. Gesser, the managing director of R. Graesser, Ltd., is the managing director of the new company. Messrs. Robert Du Bois and Dr. Veillon, formerly of the Monsanto Chemical Works, have joined the board of directors of the new company, the London office of which is at 62 London Wall, E.C. 2.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers and hand suppliers of the undermentioned articles will be appreciated.

S/304. "Orriswood" teething-sticks	L/45. "Howards" hair salts
N/304. "Douglas" hair-pruner	L/45. "Jardie" hair rollers
M/304. "Query Serum"	L/45. "Richford" hair rollers
C/15. Crude caffeine: supplies	H/45. Salveguine
K/15. Small wooden packing-cases: makers	M/35. Nuklorene tooth-powder
E/15. Gonocure capsules	H/45. Soxhlet milk separator (British make)
HS/45. "Jeynes" eye-water	SB/55. Henbane, Brit: suppliers
HB/35. Gonorrhea	L/65. "Orangelate"
B/35. Renaltone	N/65. Purified harts horn chips (rass. cornu vi)
B/35. Phenolene	
B/35. Galipio	
L/45. "Swan" toothpicks	

### INFORMATION SUPPLIED.

Abdine powders, E/234	Antiseptic shaving-ble, S/214
Adsheds' Derby cream, E/144	Anturio salts, SC/93
Aletris cordial, O/234, SC/83, and M/234	"Arkolas," C/264
Analeptio pills, W/124	Benbow's dog mixtu, D/214
Angiers' emulsion, K/274	Benger's food, M/224
Antiphlogistine, M/234	Binns' steel combs, 144
	"Bistonine," H/294



# Observations and Reflections.

By Xrayser IL

## The Issue Before Us

(as I have said from the first) is one indivisible, and in calling attention to the attempts that are being made to distract our attention among a number of "elusive" issues of very minor importance, could us the greatest possible service. What we have to decide is whether we will leave our interests in the hands of those who have betrayed us, and of others who might do these, or transfer them to the keeping of men whom we have reason to believe both willing and capable of carrying out our wishes. We are not out for revolution; in fact we are more conservative than our opponents, the difference between them and us being that we have the courage to resist changes forced upon us from without and they have not. The internal change we desire, that the Local Associations Executive, hampered by its connection with a chartered society, to an independent union of employers, is sought mainly as an additional bulwark to the edifice of our liberties.

## The Society

As it is at present organised has shown itself insufficient for our protection, internally weak, and externally defenceless. We would strengthen it internally by sending up men to its Council and defend it without by getting it up, with their help, a trade organisation to look after such of our interests as are most liable to assault. It is a significant fact that most, if not all, of the candidates who range themselves with what for want of a better name must call the Progressive Party, are at once set on defending our professional status under the Act of 1908 and the formation of an independent body to look after our business interests. There is no double issue here. If we return seven men pledged to resist any dilution of the register we shall have taken a considerable step towards the other object we have in view. Those who most strongly condemn the action of the Council with regard to the by-law are, perhaps naturally, those who happily, those who are most ardent supporters of constitutional reform. We have but to ring out the old and bring in the new.

## Proof of the Eight Men

It is in your final instalment of Council minutes that declare themselves hostile to the by-law and its supporters, and two of them—Messrs. Fullerton and Jones—speak out with refreshing vigour. Either of these (or any of the three) would be a good colleague for the one I named last week as "on the right side." The rest of the batch, whatever the merits of the individuals, must pass over, excepting only Mr. Ridyard. I confess to being somewhat disappointed in him, but I should not wonder to have him on the Council. He is a thoroughly honest, honest, strong, and reasonable, and, as I think, a man of conviction. He would not, probably, go against the expressed wishes of those with whom he is in general sympathy, and although it is solidarity that is just now rather than independence, there may be occasions on which some degree of compromise will be necessary, and Mr. Ridyard would be an admirable "buffer officer" between the two parties. He is, in my opinion, much too favourably inclined towards the Local Associations Executive, and I do not quite understand what he means by "self-contained"; but, as a moderate influence on both sides, he would be very useful.

## William Glynn-Jones

He was in merry mood at Liverpool. He cracked jokes over the by-law quarrel of last year, which he referred to in language singularly different from that used at the time. Looking back, he seems to regard it as a blessing in disguise. He has, however, maintained his old opinion of criticism: unless it is "constructive" it is an impertinence; nobody ought to pre-empt fault with a thing unless he can make a more comfortable doctrine, but one no true critic would do. Is nobody but a Homer or a Dante to

be allowed to criticise Milton? May nobody but a Bacon or a Thomas More point out the defects of the English Constitution? Like the aristocrat he is, Sir William objects to promotion from the ranks; he would not allow the errand-lad to "burst his birth's invidious bar" and become a pharmacist, and he regards the employer who helps him to do so as nothing better than an exploiter of cheap labour. He does not seem to share the fears so many of our leaders have expressed of the Ministry of Health, and he is against compulsory membership.

## The Dispensing Problem

The problem of to-day is how and what to charge. Any one of us may at any time be pulled up for profiteering, and we ought to be prepared with a considered and consistent policy of defence. Absolute uniformity of charge is impossible, but prices ought not to differ as arbitrarily, and in some cases with as little apparent reason as they do; nor ought they to be defended on grounds that are not as nearly as possible universally applicable. The usual defence of an alleged exorbitant charge is twofold, the character of the service and the overhead charges, the latter being, of course, partly due to the character of the service. No fault can be found with the former plea, unless (as has, I fear, sometimes happened) it is implied that the service rendered in the particular case is superior to that of the average pharmacy, which is not only an injurious reflection upon the majority of chemists, but a damaging blow at the Pharmacy Acts. It is calculated to give the impression that in itself our education, with all its apparatus of schools and examinations, is worthless, that only experience in some pharmacy *de luxe* can ensure safe and accurate dispensing—either this, or the notion that elsewhere than in such a pharmacy the necessary care is not exercised is an inevitable deduction from such a plea, and neither supposition is true. The other plea may be true, but is it good policy to urge it? Exceptional overhead expenses may necessitate higher charges, but where there is, in essentials, no difference in the service rendered, there is no obvious reason why the public should pay them.

## The New Section

(Visor—Vywer) of the Oxford Dictionary contains only four or five words of pharmaceutical interest, but one of them—*Vitriol*—furnishes matter enough for a longer note than I have space for. The word comes from the mediæval Latin *Vitriolum* (itself a development of *vitrum*, glass) used by Albertus Magnus in the thirteenth century as a name for *atramentum viride*, or sulphate of iron. It first appears in English in Chaucer with its original meaning, but it soon came to be applied to many other native and artificial sulphates of metals. Arderne (c. 1425) enumerates three kinds, the Roman, the green, and the white. To these was soon added the red, the four being respectively sulphates of copper, iron, zinc, and cobalt. To them were afterwards added vitriol of gold, of silver, of lead, of quicksilver, etc. Astrological names were given to them, as vitriol of the sun, the moon, Mars, Venus, and so on. The phrase *oil of vitriol* first occurs in 1580, the preparation being spoken of as of "our time." *Spirit of vitriol* follows in 1671. The spirit was obtained by distillation from calcined green vitriol; it was the lighter part of the liquor drawn over, the heavier, which did not ascend, being the oil; the solid residuum was colcothar. The Dictionary recognises no spirit of vitriol but this; the article is, however, by no means exhaustive; *salt of vitriol* and *elixir of vitriol* occur in quotations given, and there is a cross-reference to the latter, but the quotations do not include the once official *salt of vitriol*, which was obtained from white vitriol and was not colcothar, the "fixed salt" of the quotation given. Other words calling for brief mention are: *volatalkali*, an old name for volatile ammonia; *volatile salt*, which dates from 1639; *volatile oil* (1800) for the older *essential oil*; *volt* (in electric science), from the name of the Italian scientist Volta; *volumetric* (analysis), which first appeared as *volumetrical* in 1853; *vomica*, which before it was attached to *nux* to indicate the emetic property of the strychnos plant entered English as a name for a vent or opening of any kind.

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and official preparations made from the

all the requirements of the British Pharmacopoeia.

## Editorial Articles

### Oilseeds and Oil-products.

FOLLOWING upon the deadlock in the general demand for oilseeds and oil-products which lasted until the middle of April, market conditions have considerably improved under the lead of a revival of interest by home crushers, especially for linseed, and the whole of the oilseed trade began to feel the effect. This was consequently reflected in a steady upward movement from a level of values which was considerably



...tly tempting after an enormous decline from the  
rec" prices seen recently, such as 50*l.* for La Plata  
and 35*l.* for Egyptian cottonseed for near ship-  
ment with the respective oil-products standing at 128*l.*  
and 3*l.* per ton. The price of Plate linseed after drop-  
ping nearly 36*l.* has recovered a few pounds, with a  
considerable amount of trading put through on home  
account, while Continental purchases have likewise revived.  
The decline in linseed oil was given a pretty sharp fillip  
when it was found that the London market displayed  
an amount of resistance at about 100*l.* per ton. The ensuing  
fall of several pounds a ton to fully 106*l.* was accelerated  
by a clear indication that the Hull market had bottomed  
out having been severely depressed by the cutting of  
speculators who were anxious to quit their com-  
mitments. The price at Hull having been as low as 80*l.*  
at the worst of the *débâcle*, it is obvious that the  
market reaction there proved much more substantial  
than in London. Curiously enough, the transformation  
was synchronised with the arrival of considerable quan-  
tities of River Plate seed at Hull, which for the first  
time or so of this month amounted to over 15,000  
tons, practically as much as was shown by the Board  
of Trade figures for the month of March. This would  
lend support to the belief that the adverse considerations  
which forced the depression have been fairly well dis-  
sipated for a time at least, while there has been a rather  
marked set-back the last few days. It must, of  
course, be recognised that prices are still very  
low and it remains to be seen how far com-  
mon in sales of new Plate and Indian seed  
will assert itself under the much greater weight of  
the old stock afloat. A fortnight ago the total quan-  
tity of linseed afloat to home and Continental ports was  
estimated in the neighbourhood of 110,000 tons, or practically  
what it was a month ago, and there is no doubt  
that the total has since been swelled to a further consider-  
able amount, despite the good quantities which have been  
finding their way to American ports, where the  
demand for linseed must be expected to remain on a consider-  
able scale to satisfy a continuous big consumption. This  
is why resources for the European crushing industry,  
which the latter has been badly in need for some time,  
will be belated over a certain period, in consequence of  
the delayed harvest in the River Plate and delays in  
exporting. The output of crushers is now about to be  
steadily—a freer supply of the oil-product seems  
probable and this should have eventually a subduing effect  
on the market when near requirements are adequately  
met. There is certainly ample room for some further  
falling of the product, if freight rates for seed become  
excessive, while it is not improbable that Indian  
seed, on the strength of the excellent estimate of their  
output, will feel disposed to follow River Plate competition  
closely. Possibly the further severe decline in the  
price of linseed may have some effect in that direction. The  
demand for linseed oil is admittedly heavy, but users'  
prices have fallen very low, and a conservative policy in  
the way of providing for future needs seems advisable  
until a gradual restoration of normal crushing opera-  
tions. Speculators who suffered heavy losses by delaying  
their operations until the collapse occurred will doubtless not feel  
inclined to become again saddled with important  
commitments pending indications how the market will shape  
itself for normal supplies. More subdued conditions  
have been experienced early this week in vegetable oils,  
especially linseed oil, but the market in linseed seems  
to attract steady inquiries from home crushers who

should, however, become influenced by the fact that they  
will soon have quite as much seed as they can handle.  
Forward offers by shippers, nevertheless, have been  
somewhat relaxed. Developments in cottonseed have  
shown considerable irregularity of late, while the current  
price of Egyptian seed, after dropping recently to about  
20*l.* per ton, recovered to close on 25*l.*, which is still some  
6*l.* per ton above the figure ruling early last year. There  
has been a very wide disparity in cotton-oil values between  
Hull and London for some time past, but an adjustment  
has ensued since, though the market is still in a rather  
confused state. Our imports of cottonseed for March were  
fairly satisfactory, thanks to better arrivals from India,  
while the total at over 43,000 tons was in excess of that  
for the same month last year. The movement of supplies  
from Egypt is still very backward for the time of year.  
The total shortage from this source since September 1 last  
is not much less than 100,000 tons, against the same period  
in the previous season. On the other hand, there is a  
surplus almost as great yet to be shipped, which would  
fully restore equilibrium and thus permit of the supply of  
edible oil qualities to be increased to a more adequate  
extent. This seems very desirable, as there is still a com-  
parative scarcity of such material. The fact is worth  
noting that our total receipts of oil-bearing nuts and  
kernels and such products during the first quarter of this  
year represented as much as 123,773 tons, which compares  
with 91,554 tons and 19,100 tons for the corresponding  
period in 1919 and 1913 respectively. The latter amount  
of course refers to pre-war times and amply testifies to the  
enormous development which has taken place in this im-  
portant industry since that period. A very large portion  
of this supply of raw materials is absorbed for the  
manufacture of margarine, the output of which is highly  
progressive.

### The Council Election.

THE voting papers for the election of seven members of  
Council of the Pharmaceutical Society of Great Britain  
are to be sent out this week. The issue before the electors  
is briefly: Are the five men who helped to force through  
the unjust by-law, admitting unexamined persons to the  
Register of Chemists and Druggists, to be re-elected to the  
Council? If they are again returned it will mean  
that the members of the Society approve of registration  
by purchase, and that in future when any similar pro-  
posals are under consideration the Council will know that  
the members do not object to diluting the Register. In  
the last two issues of THE CHEMIST AND DRUGGIST  
and in the present number we have put forward  
the views of all the candidates so that the elec-  
tors are able to form a considered judgment as  
to the fitness of the men who are seeking to  
represent them. We hope that the voting will be  
carefully exercised because of the exceptional responsi-  
bilities which are involved in the principle at stake. If the  
majority of the members back up the policy of the present  
Council it will be useless in future to protest when further  
surrenders are made of the privileges which pharmacists  
have obtained by examination.

### Profiteering Amendment Bill.

IT will be remembered that on February 20 a joint  
deputation from the Chemists' Defence Association, Ltd.,  
and the Local Associations Executive submitted to Mr.  
McCurdy, representing the Government, certain proposals  
for amending the existing Profiteering Act (*C. & D.*,  
February 23, p. 73). We learn that the former of these  
two bodies is keeping a close watch on the progress of  
the Profiteering (Amendment) Bill in Committee, and has  
put forward some important amendments, of which the  
following will serve as an example. Section 2 (2) of the  
Bill reads:

"The Board of Trade may, by order, extend section 1

of the principal Act to any process of manufacture, or the repairing, dyeing, cleaning, or washing of any articles mentioned in the order and processes incidental thereto, subject to such modification as may be necessary to adapt the provisions of that section thereto."

To this it is proposed to add the following words:

"The dispensing of a medical prescription by a medical practitioner or a duly registered chemist or by any company, or in Scotland by a firm, entitled by law to dispense medicines or keep open shop for the sale of poisons or to carry on the business of a pharmaceutical chemist or chemist and druggist shall not be deemed to be the sale of an article within the meaning of the principal Act or of this Act."

This is not the only point at which the Bill needs strengthening; and chemists who have received telegrams asking them to approach their own members of Parliament in this direction will appreciate the importance of seconding the efforts that are being made to correct some of the deficiencies of the Bill.

### Army Pharmacy Classes.

ONE of the attractions offered to youths who join the Army is that they may receive instruction in various trades, including that of the pharmacist. The scheme is already in being in Mesopotamia. An advertisement in the "Baghdad Times" announces that classes in pharmacy extending to three months have recommenced with a view to preparing candidates for the next examination in pharmacy. The syllabus is as follows:

1. Pharmacy, including knowledge of B.P. preparations and methods employed in pharmacy.
2. Latin prescription reading, theoretical dispensing, doses, and calculations.
3. Materia medica.
4. Practical dispensing.
5. Proclamations and laws affecting the practice of pharmacy in Mesopotamia.

The instructors are Lieut. F. W. Hockin and Mr. A. A. Martret, who hold the qualifying certificate of the Pharmaceutical Society of Great Britain. There are, we are informed, twenty-four students.

### Pharmacy's War Services.

THE Pharmaceutical Society's scheme for a record of the services rendered during the Great War by British pharmacists and others connected with pharmacy has been sent to the secretaries of local pharmaceutical associations throughout the country. It is a wordy scheme and places an amount of work on local secretaries which we are afraid will not be completed. It is proposed to supply special paper to local associations, upon which is to be typed the local record, with at least six photographs on each page. These pages are to be sent to Bloomsbury Square, where they will be bound in volumes to be preserved in the library. To show the comprehensive nature of the record it is sufficient to add that it is to contain the following particulars:

1. Brief introduction (names of editor and sub-committee who compiled record, etc.).
2. Roll of Honour.
3. Naval and Military Services.
  - (a) Regular Forces.
  - (b) Volunteer Corps.
4. Civilian Services (*individual*).
  - (a) Special constabulary.
  - (b) Military hospital dispensing (civilian).
  - (c) Ambulance work.
  - (d) Boys' Brigade organisation.
  - (e) Boy Scouts organisation.
  - (f) Red Cross Society work.
  - (g) Entertainments for wounded soldiers.
  - (h) War charity work.
  - (i) Any other special individual work.
5. Civilian services (*collective*).
  - (a) Recruiting (arrangements for release of pharmacists).
  - (b) Organisation and distribution of supplies of essential drugs, etc., or the introduction of alternative drugs and preparations.
  - (c) Dispensing for dependents of soldiers and sailors.
  - (d) Dispensing for Belgian refugees.

- (e) Contributions to Belgian Doctors' and Internists' Relief Fund.
- (f) Contributions to War Auxiliary Benevolent Societies.
- (g) Contributions to, or efforts in aid of, other war charities.
- (h) Any other special collective effort made in connection with war-time organisations.

### 6. Miscellaneous.

Any activity, either individual or collective, which is not possible to classify under the foregoing heads.

The memorandum which accompanies the document amplifies the scheme, even to defining pharmacist as a pharmacist of either sex engaged in any capacity in the practice of pharmacy. We hope the scheme will succeed, as we are still of opinion that a more fitting recognition of the war would have been a Roll of Honour placed in a prominent position on the premises of the Society.

## Royal Academy of Art

WAR and war's aftermath, the bestowal of Orders of the British Empire decorations, claim the lion's share of space at this year's Royal Academy Exhibition which opened at Burlington House, London, W., on May 1. With the exercise of a modicum of patience, however, it is possible to find almost, if not quite, as much as is of interest to pharmacists—who, indeed, practice a science and an art, and can therefore derive something from work that to the less instructed visitor is tedious. The portraits of well-known people are, as a rule, of considerable interest; and pharmacists will be especially attracted by that (in oils) of Mr. E. Alfred Webb, B.A., Ph.C.—the latter title, by the way, is missing in the catalogue—deputy-chairman of Evans Sons, Ltd., of London, Webb, Ltd. Well placed in the first gallery (No. 1), he bears the inscription, "Presented by his fellow countrymen as a mark of esteem after 50 years' service. 1919." The painter is Oswald Birley. Another portrait which induces the visitor to pause is that of the Lord Chief Justice of England (No. 213), depicted in his robes of state and therefore obviously not engaged in a profiteering career at the time. Our readers are also more or less familiar with the names of Sir Alfred Dale, Vice-Chancellor of Liverpool University (No. 207), Sir Clifford Elton, K.C.B., M.D. (Nos. 14 and 1,061), Sir Charles Lane, K.C.M.G., M.B., consulting surgeon to the British Army during the war (No. 155), Surgeon-Captain P. W. H. Smith, C.M.G., late senior house physician of Manchester Hospital (No. 24), Sir William Hunter, M.D., F.R.S., E. Heron-Allen, F.L.S., all of whom are portrayed in oils. Turning to the delicate art of the miniature, we are glad to notice that Miss E. C. Brisley and Mr. J. H. Brisley, two of the daughters of Mr. George J. Brisley, chemist and druggist, Bexhill, are again well represented by the former by three examples of portraiture (Nos. 1,036, 1,048, and 1,049) and the latter by a not less delicate portrait of a lady (No. 992). With them, as law partners, is Miss N. K. Brisley, who has contributed a study of a child with a large dog (No. 999). Pharmacists familiar with the Architectural Room a few elevations of interest, for example, those of the National Insurance Buildings, Euston Square, London (No. 1,148), the new laboratories at Liverpool University (No. 1,149), and the science buildings at University College, Bangor (No. 1,150)—and will examine with appreciation the designs for the Regent Street Quadrant and for some groups of houses in which Sir Aston Webb, P.R.A., the distinguished brother of Mr. E. Alfred Webb, has collaborated. On the botanical side, the exhibition yields little of interest. There is about the usual number of herbaceous borders: "Christmas Roses" (No. 536) exhibiting the decorative effect of *Helleborus niger* in flower; a "Saffron Cake" (No. 146) is curious in that it seems to have tinted the overall of a small boy watching the cake being cut. Perhaps the day when some of the obvious openings that picture tell a story offer for advertisement will be utilized was impossible, for instance, to pass "The Convalescent" (No. 34) without seeing in the mind's eye a bottle of Blank's Wine on the table by the bedside.



## Westminster Wisdom.

by the "C. & D." Parliamentary Representative.

### AMENDING THE DENTISTS ACT.

Mr. Addison informed Mr. Raffan and Mr. Gilbert, on May 5, that he hoped to introduce before the end of this session a Bill to carry out the recommendations of the Dental Committee on the Dentists Act, 1878.

### DANGEROUS DRUGS BILL.

On May 4, Mr. Shortt, the Home Secretary, presented a Dangerous Drugs Bill, "to regulate the importation, exportation, manufacture, sale, and use of opium and other dangerous drugs." The Bill was to be read a second time on May 5, and to be printed.

The Bill gives effect to the International Opium Convention signed at The Hague in 1912. By the Treaty of London (Article 295) Great Britain bound itself to bring into force the Convention within twelve months from the date of the Treaty. The Bill is divided into four parts. Part I. deals with the restriction on the import and export of raw opium, and gives power to the Home Secretary to prohibit the production of raw opium; Part II. is headed "Control of Opium," defined as "opium prepared for sale, and includes dross and any other residues remaining after opium has been smoked"; Part III. regulates the importation and manufacture of morphine, heroin, cocaine, diamorphine and their salts, and medicinal preparations containing not less than one-fifth per cent. of opium or one-tenth per cent. of cocaine, heroin, or morphine. Power is given to add other drugs to the list by Order in Council. Part IV. gives general powers to the Home Secretary to enter premises of manufacturers or dealers in the above-mentioned and make regulations for the issue of licences. The Act is to come into operation on September 1, 1920.

### The Profiteering (Amendment) Bill.

At the second reading of the Profiteering (Amendment) Bill, moved by Sir Robert Horne, President of the Board of Trade, in the House of Commons on April 29, Sir Robert explained the purpose of the Bill, and said that the Central Committee under the present Profiteering Act had set up a large number of sub-committees which held 296 meetings, investigated 104 commodities, and issued 16 reports to the Board of Trade. There had been 1,800 local committees set up which had heard 1,800 complaints. In 934 cases it was held that the prices were unreasonable, and in over 200 cases prosecutions were conducted in Courts of Summary Jurisdiction. The Bill is not passed before May 19 the powers conferred by the Profiteering Act will expire. Later on Sir Robert said that in many cases people suspected profiteering where there is none. People to a certain extent are misled and misled by the inference that they draw from seeing the returns of very large profits in any particular business. They do not recollect that these profits are expressed in the terms of the same currency that is inadequate to pay for the things they want. They forget that every business man has to carry on his way in order to gain that profit, which requires him to pay as much to finance the business as it used to. They forget that the business man has to spend, in order to get those profits, three or four times as much in providing for depreciation and charges of that kind. They forget that in the development of his trade he has acquired an enormously increased capital, as compared with what was sufficient before the war. We have got to keep these things in mind when we look at these prices. We must not forget that a dividend of 10 per cent. is actually only a little better than 5 per cent. after the war.

These things referred to the Profiteering Act as unwise legislation rushed through the House without proper consideration. The people of the country generally

feel that the Profiteering Act has been of no real effect. They regard it as having been one merely for the sake of harrying and harassing small shopkeepers, who have been brought up before tribunals all over the country, and have been made to return 1s. 6d., 2d., and 4d. Beyond that, nothing has been done. The President said that there had been a large number of investigations, and that those investigations have informed the public mind. That may be very true. He was doubtless correct in saying that there is often supposed to be profiteering when such a thing does not exist, and to the extent the investigations may have done good; but these investigations have not brought down prices. The object of the Bill was to check profiteering, and there is no evidence that those investigations have, in fact, done so. The shopkeeper has been fined these small amounts, but what has been discovered by these tribunals has been that where the shopkeeper profited, he has merely done so in pennies and sixpences, and the man everyone has desired to get at is the man who has profited in thousands. The manufacturer, the speculator, the wholesaler—it does not matter in what article he is dealing, the big man has not been touched, and has not been affected in any way by the Act passed last year.

Sir Ernest Wild said the Profiteering Act is an iniquitous piece of legislation brought in in order to satisfy popular clamour. He objected to it first of all because it ranks every retailer in the country as a potential criminal. Every retailer, big or small, may be made, at all events, into an accused person by any customer, however unimportant, and that is going on all over the country. Sir Ernest gave instances within his knowledge, one of them concerning the price of grease paint. These things are put by this village-fool legislation upon the unfortunate shopkeepers, who are not tried by committees in whom the public have confidence at all. They are tried generally by a parcel of supercilious amateurs. There are very rarely tradesmen on the tribunal at all, but nice respectable people who know nothing about trade and go peddling about in people's books putting them to this indignity. The consequence is that shopkeepers are very much annoyed at the way in which they have been treated by Parliament. If they win they have no redress. They cannot get any costs or any remedy whatever. Because there have been so many farthings returned in 934 cases does not show that the Profiteering Act has been very fruitful in effect. Clause 8 introduces the jargon of the trade unions, and refers to "victimisation," which is as bad English as "profiteering." It does not merely mean that the retailer is to have resources against the wholesaler. Supposing a customer has made a frivolous complaint. The customer need not even buy. He need only offer to buy. The customer may put the tradesman to any amount of annoyance, indignity, and bother in bringing him before tribunals, and putting him to expense. Supposing the tradesman says, "I do not want to have anything more to do with you." Then, said Sir Ernest, "if I read the Clause aright, the customer is entitled to take the tradesman before a magistrate, and the tradesman is subject to penalties for 'failure to comply with an order,' assuming that he has been 'in the habit of selling articles of the class in question to the complainant' before the Act was passed. He is liable to a fine of 50s., or to imprisonment for three months, or both. That is the sort of light and airy way in which we are treating the retailers." The Act has, in fact, put up prices, because it does not matter a straw to the retailer what he gives for the goods. It pays him better to pay a good price than a small price. The Bill is unjust to the vast body of retailers in this country.

Among the other speakers was Captain Loseby, who, referring to the pre-war basis of profit, said that means that if the small retailer found it necessary in order to live to make 100% a year before the war, he or she is to be liable to prosecution to-day for making more than that, although prices have gone up over 100 per cent.

The motion that the Bill be read a second time was carried by 126 yeas against 50 noes, and the Bill was committed to a Committee of the whole House.

## Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London. E.C. 4."

### QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, May 11, on which day the samples will be posted.

Students' reports will be received up to Saturday, May 22. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

**SPECIAL NOTICE.**—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports.* Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a Qualifying examination will be included in the latter list.

### Report on the April Analytical Exercise.

The powder distributed to students on April 6 contained one part by weight of bismuth oxychloride, one part of zinc sulphide, and three parts of sodium oxalate. The calculated composition of such a mixture is:

Bi	...	...	...	...	16.0
Zn	...	...	...	...	13.4
Na	...	...	...	...	20.6
Cl	...	...	...	...	2.8
S	...	...	...	...	6.6
C <sub>2</sub> O <sub>4</sub>	...	...	...	...	39.4
O	...	...	...	...	1.2
					100.0

The powder also contained, as impurities, traces of calcium and magnesium, and there was a small proportion of hygroscopic moisture.

Samples of the powder were distributed to seventy students, and twenty-four reports were submitted for examination. There was no single constituent which was detected by all the writers of reports, and the numbers of failures were as follows: (a) Metallic radicals: Bismuth, 3; zinc, 2; sodium, 3. (b) Acid radicals: Hydrochloric, 2; hydrosulphuric, 1; oxalic, 18.

When treated with dilute hydrochloric acid, the powder rapidly darkened. This was due to the action of the hydrogen sulphide, liberated by the interaction of the acid with the zinc sulphide, upon the bismuth oxychloride, whereby bismuth sulphide was formed. On warming with some moderately concentrated hydrochloric acid, this bismuth sulphide was completely decomposed and a clear solution was obtained. The evolution of hydrogen sulphide during the interaction was easily recognised by the odour of the gas and by its action on acetate of lead paper. The fact that a carbonate might be present in the powder in association with the sulphide made it essential that the simultaneous evolution of carbon dioxide should also be tested for, and this point was not in all cases overlooked. A considerable number of students were content, however, to attribute the gas evolution simply to the decom-

position of a sulphide, and did not attempt to prove the carbonate either present or absent—an omission which was necessarily regarded as serious.

A remarkable feature in connection with the mixture sent in, and one which it is difficult adequately to explain, is the exceedingly large proportion of failures in the detection of the oxalic acid radical, which was the constituent of the mixture. When the powder was mixed with two or three times its weight of sodium carbonate, then boiled with a small quantity of water and the solution filtered, the filtrate yielded, after acidification with acetic acid and addition of calcium chloride, an immediate precipitate of calcium oxalate. A large number of students reported the non-formation of any precipitate at this stage, and concluded that an oxalate was present. Since the oxalate present in the powder was one which was soluble in water and the presence of the oxalic acid radical in the sodium carbonate extract would not, therefore, depend upon the action of a boiling solution of sodium carbonate upon an oxalate insoluble in water—an action which often proceeds somewhat slowly—the most probable explanation of the many failures seems to be that the solutions examined were so very dilute that no immediate precipitate was produced on the addition of calcium chloride, and that the contents of the test-tubes were thrown away before any calcium oxalate had separated. This precipitate is one of those which only appear in dilute solutions and for the formation of a precipitate from solutions of unknown concentration it is often necessary to wait. Heating the mixture materially expedited precipitation.

A point which puzzled several students was the presence of a sulphide from the sodium carbonate extract. The explanation is that the zinc sulphide present in the powder is one of the substances insoluble in water, and is not decomposed by boiling with even a concentrated solution of sodium carbonate. Only in one or two cases—resulting from the exercise of a little imagination—was silver nitrate reported as yielding a black precipitate with the portion of the sodium carbonate extract which had been neutralised or acidified by means of nitric acid.

### PRIZES.

The first prize for the best analysis has been awarded to CYRIL T. HINES, Norfolk House, Danvers Street, Hornsey, N. 8.

The second prize has been awarded to JAMES LEITCH, Birgham Schoolhouse, Coldstream, Berwickshire.

**First Prize.**—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

**Second Prize.**—Any scientific book which is sold at about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

### MARKS AWARDED FOR ANALYSES.

C. T. Hines (1st prize)	98	T. E. P.	...
J. Leitch (2nd prize)	97	M. A. B.	...
Gee-Gee	96	Mytosis	...
Secundus	96	Enfant	...
Tayside	94	Aequanimitas	...
Capiat	85	Pepy	...
Propositi Tenax	85	Nitrosyl	...
Bruggles	84	Gintario	...
M. E. B.	84	Leptandrin	...
Benzaldehyde	81	D. M. H. B.	...
Pedestrian	81	Beginner	...
Deva	81	Gaswallah	...

### TO CORRESPONDENTS.

**TAYSIDE.**—You appear to have obtained a reaction indicating more than a trace of magnesium. This may have been due to zinc which had escaped complete precipitation as sulphide at the proper stage. You will find that sodium was the most abundant of the metallic radicals present.



**CAR.**—You should have employed ammonium carbonate instead of sodium carbonate as group reagent in testing for the barium group. Your inquiry regarding the marking observed when the powder was mixed with hydrochloric acid is answered in the general remarks above.

**PROSITI TENAX.**—You describe the hydrogen sulphide precipitate as insoluble in ammonium hydrosulphide; but did you make any attempt to ascertain whether some of it did not dissolve? See the general remarks regarding this matter in this column last month.

**M. E. B.**—It is a misapprehension to suppose that potassium need not be tested for when a flame coloration due to that metal has not been observed. It is in such cases as the present analysis, where there is much sodium in the powder, that careful testing of potassium is specially necessary. More than one-half of the powder was soluble in water.

**SILVER HYDRIDE.**—Only a part of the precipitate yielded a mass of silver nitrate in a neutralised portion of sodium carbonate extract was insoluble in nitric acid. Silver nitrate is easily soluble in cold moderately concentrated nitric acid. You report that sodium hydroxide gave a white precipitate, soluble in excess, with a solution of the powder—presumably in hydrochloric acid; but bismuth hydroxide, which would be a constituent of this precipitate, is insoluble in solution of sodium hydroxide.

**IRON.**—You included a carbonate among the elements found, but the only evidence given in support of it was the occurrence of effervescence—which was due to hydrogen sulphide—when the powder was treated with dilute sulphuric acid. A test with calcium hydroxide should have been applied.

**COBALT.**—A careful test for traces of an ammonium compound did not confirm your result. May the litmus paper not have come into contact with the potassium carbonate solution?

**P.**—The evolution of sulphur dioxide is not uncommon when substances containing or yielding reducing agents are heated with concentrated sulphuric acid. In the present case the sulphuric acid was reduced by the action of the zinc sulphide or by the hydrogen sulphide evolved by the interaction of this sulphide with the acid, or both. A sulphate was not present.

**M. B.**—In adding the group reagents for the iron group the ammonium chloride should be added before ammonia, since prevention of the precipitation of bismuth hydroxide is more easily effected than the precipitation of this hydroxide by means of ammonium hydroxide when once it has been precipitated. A summary of the constituents detected should have been given.

**LEAD.**—The original powder when boiled with lead acetate and dilute nitric acid did not give any reaction with lead acetate. The manganese which you detected must have been introduced in some of the reagents employed.

**TOXICITY.**—You appear to have made the analysis unnecessarily prolonged one through failing to observe that the powder could be dissolved completely by boiling in moderately concentrated hydrochloric acid. The residue did not yield an "insoluble residue" in the generally accepted sense.

**PHOSPHATE.**—The test you mention for a "sulphide insoluble in hydrochloric acid" was not appropriate in the present case since the powder did not contain such a sulphide. Phosphate was not present.

**IRON.**—The precipitate which you obtained on adding ferric chloride to the original solution of the powder in hydrochloric acid, as a test for a stannous salt, did not consist of bismuth oxychloride.

**PHOSPHATE.**—The hydrogen sulphide precipitate should have been heated with only slightly diluted nitric acid, which it would have dissolved completely.

**M. E. B.**—Testing for cadmium should not have been attempted, and your report should have included a summary of the constituents detected.

**GENERAL.**—As a beginner, you would be well advised to avoid reconceived ideas as to the composition of substances under analysis—a fault of which your report shows some indications.

## THE ANALYTICAL TOURNAMENT.

The exercise just reported upon is the final analysis of the current tournament series, and the inclusion of its results now enables us to announce the awards for the best aggregates obtained in this competition. The total number of students who have taken part in this year's tournament is 117, which is more than double the figure for last year, and from first to last many meritorious reports have been sent in, and there has been a keen contest for the high places.

The first place in the competition has been taken by "Ferrum" (Mr. Cyril T. Hines, Norfolk House, Danvers Road, Hornsey, N.8), who has attained the excellent aggregate of 550, made up of 98, 95, 78, 95, 86, and 93, and to him the first prize of books to the value of 2*l.* 2*s.* has been awarded, together with a certificate.

The second prize of books, to the value of 1*l.* 1*s.*, and a certificate have been awarded to "Bruggles" (Mr. Howard Braunsby, Grove Street, Wilmslow, Cheshire), for the very creditable aggregate of 538, made up of 90, 96, 85, 91, 92, and 84.

The third prize, of books to the value of 10*s.* 6*d.*, and a certificate have been awarded to "Gee-Gee" (Miss Elizabeth Sim, Cemetery Lodge, Kelso), for the almost equally creditable aggregate of 536, made up of 95, '94, 71, 96, 84, and 96.

We have to congratulate the prize-winners on their success and to thank the many other students whose participation has made the competition an interesting and useful one. The Publisher will be glad to hear from the prize-winners at once with regard to the books which they desire to have sent them as prizes.

## Wild Flowers in April.

MR. GEORGE ROE sends us the following list of plants in bloom at the end of April in Berkshire:

Adder's tongue, <i>Ophio-glossum vulgatum</i> .	Herb Robert, <i>Geranium Robertianum</i> .
Arum, <i>Arum maculatum</i> .	Mealy gaulther rose, <i>Fiburna Lantana</i> .
Buttercup, <i>Ranunculus bulbosus</i> .	Mouse - ear chickweed, <i>Cerastium vulgatum</i> .
Colt's-foot, <i>Tussilago Farfara</i> .	Narrow - leaved garlic, <i>Allium spicata</i> .
Common Alexandra, <i>Smyrnium Olusatrum</i> .	Orchid, purple, <i>Orchis maculata</i> .
Common comfrey, <i>Symphytum officinale</i> .	Partly coloured scorpion grass, <i>Myosotis versicolor</i> .
Common daisy, <i>Bellis perennis</i> .	Petty spurge, <i>Euphorbia Peplus</i> .
Common ragwort, <i>Senecio Jacobaea</i> .	Primrose, <i>Primula vulgaris</i> .
Corn horsetail, <i>Equisetum arvense</i> .	Red dead-nettle, <i>Lamium purpureum</i> .
Corn vetch, <i>Vicia sativa</i> .	Saxifrage, rue - leaved, <i>Saxifraga Tidaactylites</i> .
Cowslip, <i>Primula veris</i> .	Shepherd's-purse, <i>Capsella bursa pastoris</i> .
Cuckoo flower, <i>Cardamine pratensis</i> .	Spruce fir, <i>Spirea excelsa</i> .
Dandelion, <i>Leontodon taraxacum</i> .	Summer snowflake, <i>Leucolum astirum</i> .
Dogs mercury, <i>Mercurialis perennis</i> .	Sweet woodruff, <i>Asperula odorata</i> .
Early field scorpion grass, <i>Myosotis Collina</i> .	Three - nerved sandwort, <i>Arenaria trinervis</i> .
Field lady's mantle, <i>Alchemilla arvensis</i> .	Tooth-wort, <i>Lathraia Squamaria</i> .
Fritillary or snake's head, <i>Fritillaria meleagris</i> .	Upright hedge parsley, <i>Torilis anthriscus</i> .
Garlic mustard, <i>Alliaria officinalis</i> .	Water blinks, <i>Montia fontana</i> .
Germander speedwell, <i>Veronica Chamædrys</i> .	White nettle, <i>Lamium album</i> .
Great celandine, <i>Chelidonium majus</i> .	Wild hyacinth, blue bell, <i>Scilla nutans</i> .
Greater stitchwort, <i>Stellaria Holostea</i> .	Wild strawberry, <i>Fragaria vesca</i> .
Ground ivy, <i>Nepeta Glechoma</i> .	Wood spurge, <i>Euphorbia amygdaloides</i> .
Groundsel, <i>Senecio vulgaris</i> .	Yellow dead-nettle, <i>Lamium Galeobdolon</i> .
Hairy bitter cress, <i>Cardamine hirsutum</i> .	
Henbit nettle, <i>Lamium amplexicaule</i> .	

## Association Affairs.

**Bradford.**—On April 26 Dr. J. Stanley White gave a lantern-lecture to the members of the Bradford Chemists' Association on *Organo-Therapeutics and the Manufacture and Composition of Biological Products*. The chair was occupied by Mr. F. E. Burdett (President), and there was a good attendance, including a number of members of the Leeds Association.

**Cheltenham.**—At the monthly meeting of the Gloucestershire Pharmacists' Association, held on April 22, Dr. J. S. White (Parke, Davis & Co.) lectured, before a large audience, on *The Nature and Use of Biological Products*.

**General Workers' Union.**—A recent meeting of pharmacists' assistants was held at Leeds in connection with the Pharmacists' and Assistants' Section of the National Warehouse and General Workers' Union. Mr. J. C. Swanton (Newcastle organiser) addressed the meeting, and stated that conditions locally were satisfactory. The demand for an Industrial Council and the programme of rates and conditions were outlined. Mr. Burke (Leeds District Organiser) followed, and pointed out that Mr. Gilmour, chemist and druggist (National Organiser), is now in charge of the section.—Mr. J. Gilmour addressed a crowded meeting of pharmacists and assistants held at Newcastle-on-Tyne on May 4. Mr. W. H. Burns, chemist and druggist (chairman), presided. Mr. Gilmour spoke on the necessity of employes being represented on the council. The meeting afterwards decided to lodge with local employers the national programme and rates at an early date. Unanimous support was accorded to Mr. Gilmour in his candidature as a representative on the Pharmaceutical Council, and he was also nominated as representative to the next Trade Union Congress.

**Harrogate.**—Before the Harrogate Pharmaceutical Association on April 23, Dr. J. Stanley White gave his lecture on *Biological Products*. There was a good attendance of chemists and doctors.

**Lewes.**—The quarterly meeting of the East Sussex County Association of Pharmacists was held on April 28, Mr. F. Filmer De Morgan (President) in the chair. Letters were read from associations respecting increased profits upon proprietary articles. A resolution was passed deferring any action towards the initiation of a trade union of pharmacists until the result of the pending test case had become known. The secretary, Mr. R. R. E. Perkins, reported that he had written to all the members of Parliament for the county in an endeavour to secure sympathetic co-operation in an attempt to readjust the incidence of patent-medicine stamp duty, without result. Letters were read from candidates for election to the Council, and the secretary reported upon his attendance in London at the meeting of the South-Eastern Federation. A resolution was sent to the Local Associations Executive asking what steps that body proposed to take in June in order to secure a further increase in the fees for Insurance dispensing. In company with the Brighton Association of Pharmacy, it was resolved that a second prize be awarded to the ex-Service men now training in pharmacy at the Brighton Technical College. Instructions from headquarters were received relating to the official record of the part played by pharmacy in the war. The next meeting was provisionally appointed for July 14.

**London (Co.).**—A meeting of the Executive Committee of the London County Pharmaceutical Association was held on April 20, Mr. G. B. Barnard (President) in the chair. A letter was received from the North-Eastern Pharmacists' Association submitting a resolution concerning paragraph 2, Section (b) of Clause 5 of the Early Closing Bill. After some discussion it was decided to refer the matter to the Local Associations Executive, suggesting earlier service in doctors' surgeries. The secretary submitted a report of the meeting of representatives of Associations in the Metropolitan group held on April 15 (*C. & D.*, April 17, p. 71), and after a discussion it was considered advisable to proceed with the completion

of arrangements for the Federation. The secretary's report was then adopted. The report of the Pharmaceutical Insurance Sub-Committee was adopted. Arrangements out of this report the Executive Committee decided to ask the chairman and secretary of the Pharmaceutical Committee to take appropriate action with regard to the use of triplicate prescription books in the London area.

**London (S.E.).**—The South-East London Chemists' Association held a general meeting on April 20, Mr. H. H. Hapgood (President) occupying the chair. Considerable discussion took place in reference to non-profitable patent medicines, and it was unanimously agreed that the secretary draw up a list of patent medicines giving inadequate profit and submit it to the next general meeting for consideration. The meeting then discussed the coming Pharmaceutical Council election, and agreed to recommend members to vote for the following candidates: Messrs. Body, Bilson, Keith, Melhuish, Spence, Rowsell, and Young. Messrs. H. S. Foster, Milner, and Wing were elected to attend the adjourned meeting to consider the formation of a Metropolitan Federation. It was agreed that the Bowling Club enter for the Sports Competition again this season. Mr. C. H. Siddons was appointed *Captain*, and Mr. W. C. Sayers *Vice-Captain* during 1920.

**Manchester.**—The annual general meeting of the Manchester Pharmaceutical Association was held on April 28, the President (Mr. A. Hershberg) occupying the chair. The secretary (Mr. T. Miller) read the annual report. Over 1,895*l.* was contributed by Manchester and Salford chemists to the War Auxiliary Benevolent Fund, and the Association has now 185 members. The President paid a tribute to the services of Mr. Miller as secretary. The report was adopted. The treasurer (Mr. J. Pidd) submitted his annual report and balance sheet, which showed an adverse balance for the year of 10*l.* 12*s.* 4*d.* The report was adopted. The President then announced that the old members of the Council had been re-elected, with one exception, Mr. John Wild, who wished to retire, and the council with regret had accepted his resignation and elected Mr. J. S. Breese in the vacancy for the Oxford Road District. Mr. J. L. Blain was re-elected *Hon. Librarian*. Mr. V. Crook was elected *Auditor* in place of Mr. J. S. Breese. Thanks were then accorded to the office-bearers. It was decided to increase the annual subscription to 10*s.* per annum, but an extraordinary general meeting will be called to settle the question definitely. Mr. J. Clethorpe (Vice-President) spoke on the unsatisfactory manner in which the 8 p.m. closing on Saturday nights was being observed, and suggested that it would have to be made compulsory by a Closing Order before it was adopted universally.

**Newport (Mon.).**—The monthly meeting of the Newport (Mon.) Chemists' Association was held on April 27. Addresses from candidates for the Pharmaceutical Council were read, and it was unanimously decided to support the following: Messrs. Lloyd, Body, Melhuish, Rowsell, Bilson, Young. With regard to federation it was decided to submit a resolution to the forthcoming conference at Llandrindod that in the general interest of pharmacy an association be formed with membership confined to registered retail chemists. In order that a permanent record be compiled of the services that Newport chemists rendered during the Great War it was requested that the President, ex-President, and Vice-President should make a report.

**Northamptonshire.**—The annual meeting of the Northamptonshire Pharmacists' Association was held at the Granville Hotel, Wellingborough, on April 22. Mr. V. Hitchman (Kettering), the retiring President, was in the chair. Both the President and hon. secretary were re-elected, and the following chosen to serve on the committee: Mr. H. S. Cox (Kettering), Mr. T. J. (Wellingborough), Mr. H. Dean (Desborough), Mr. P. Horrell (Rushden), Mr. R. Palmer (Earls Barton), and Mr. C. Smith (Rushden). The sum of 2*l.* 2*s.* was added to the Pharmaceutical Benevolent Fund. Following a discussion on Sunday duty, it was decided that a



test should be sent to the Local Associations Executive regarding the indiscriminate distribution by the Welfare Centres of "Lactagol," "Glaxo," "Ce and Gate Milk," "Virol," etc., at prices below the regular retail figures.

**Public Pharmacists.**—The concluding meeting of the session of the Public Pharmacists' Association was held on April 28, Mr. J. L. P. Hollingworth, F.L.S., in the chair at which it was decided to support the candidature of Mr. Herbert Antcliffe (Sheffield) and Mr. R. Fouracre at the forthcoming Pharmaceutical Council election. A paper on *India and its Customs* was afterwards delivered by Mr. Hollingworth.

**Sheffield.**—The Sheffield Pharmaceutical Students' Association held a meeting at the Wentworth Café on April 2, Mr. Best presiding, at which Mr. Robert Fairest gave an interesting lecture on *Human Physiology as properly understood*, and Mr. Royston lectured on *High River Scenery*.—At a meeting of the Sheffield Pharmaceutical Students' Association, held on April 30, Mr. R. Fouracre, M.D., gave a lecture on *Vaccines and their history*, at which Mr. I. Best presided. Starting with the histories of bacteria, he showed the important part played by these organisms both in health and disease. He explained also the opsonic index and immunity both naturally and acquired. The chief points about serums, vaccines, and tuberculin were next indicated, and Dr. R. Fouracre concluded an interesting paper with a prophecy that the future treatment of diseases vaccines and sera will play a much more important part than at present. A discussion followed.

**Staffordshire.**—A Committee meeting of the Staffordshire Pharmacists' Association was held on April 29, at which it was decided that all members should be sent a card asking them to support the candidature of Mr. R. Fouracre. The rules of the Association were ordered to be amended, and it was decided that each member of the committee should adopt some method of making himself responsible for the collection of subscriptions from members in his area. The secretary (Mr. Trotter) read favorable replies with regard to the proposed alteration of the patent-medicine stamp duty from the Staffordshire members of Parliament. A circular from the Pharmaceutical Society re proposed permanent record of war services of pharmacists and others engaged in pharmacy was considered. Further information was desired, so that it could again be discussed at the next meeting. The Garrison Memorial Fund was commended to the members. A letter from Mr. Mallinson referring to a communication from Mr. Jackson, Wednesbury, was read. Mr. Jackson had reported that he had been trying to get a system of supply of medicines and appliances in connection with the West Bromwich Board of Guardians. The General Purposes Committee had since reported at a meeting that, having considered the question of supply of drugs by district medical officers, they recommended the Board to alter the present arrangement so as to secure that all drugs and medical appliances were supplied by the Guardians. Mr. James at this meeting would be an advantage to adopt a similar principle to that in use by Health Insurance Committees. The recommendation was agreed to. The meeting decided to get the same change made throughout Staffordshire for there are other bodies who might also be asked to adopt the principle of the doctor prescribing and the chemist dispensing.

**West Ham.**—The West Ham Association of Pharmacists held a meeting on April 29, Mr. E. N. Lloyd in the chair. After slight alterations had been made in the rules Mr. Lloyd gave a report of the meeting of delegates of the proposed Federation of Pharmaceutical Associations, and Mr. Potter was elected to serve as member of the Executive Committee. Three of the candidates for the Council election—Messrs. Fouracre, Keith, and Todd—were present, and these gentlemen gave an outline of their policy. Mr. Keith dealt with the letter from the London Pharmaceutical Association, and he pointed out that at the time when they had decided to support all the old candidates there was only a minority

present. He said that the majority on the Council, on the by-law question, had immediately thrown down arms and shouted "Kamerad" to the enemy. Mr. Keith assured the meeting that in the event of his being elected he would, as he had hitherto done, fight against any attempt made further to encroach upon the preserves of pharmacy. Mr. Fouracre stated that the Pharmaceutical Society gave no protection to anyone possessing the qualifications excepting he kept open shop for the retailing of poisons. He considered that the Society should take the same interest in all qualified men, whether they were engaged in the retail or public services, proprietors or non-proprietors. Mr. Todd said he supported neither the reactionary nor the progressive forces of the Society, and that he considered the so-called progressive party had made but a poor attempt to defeat the by-law. If he was successful in the election he would not be a party to the intrigues of any particular section, but would strive to do what he considered to be for the good of the craft. It was afterwards unanimously decided that the Association should adopt the four candidates, Messrs. Fouracre, Hines, Keith, and Todd.

**Wolverhampton.**—A meeting of the Wolverhampton Chemists' Association was held recently. Mr. C. M. Warner (President) in the chair. The secretary read favorable replies from the three local Parliamentary representatives regarding the proposed alteration of the patent-medicine stamp duty and the **Early Closing Bill**. Mr. C. Davis (Leamington) then referred to the test case and considered that the Local Associations Executive should deal with all matters relating to the pharmaceutical trade, Health Insurance, etc. The Pharmaceutical Society should deal with education, legal matters, examinations, etc. The by-laws controversy is past, but he would pledge himself to oppose any further dilution. Referring to the talk about 2,000 men entering pharmacy, he considered that before the war they were already engaged in pharmacy, and if the Society had not taken action the Government would have done so. Mr. Davis then spoke on the L.A.E. work. With regard to proprietary articles, he had some sympathy with the manufacturers, so far as 1s. 3d. lines are concerned. The Association afterwards pledged itself to further the candidature of Mr. Davis. The secretary was instructed to write to the Birmingham Association in reply to their letter re the candidature of Mr. H. O. Lloyd. Mr. E. H. Bowdler reported his interview with the secretary of the Chamber of Commerce, and it was resolved to become affiliated with the Wolverhampton Chamber of Commerce.

**Women Pharmacists.**—The annual meeting of the London Group, National Association of Women Pharmacists, was held at Dr. Williams' Library, Gordon Hall, London, on April 22, when there was a large attendance of members. The President (Miss Gilliat) occupied the chair. The secretary's and treasurer's reports for the year were received and adopted. An explanation was made by the President as to the Emergency Committee, and it was decided that the present officers and committee should be asked to remain in office until next spring. Fifteen delegates were appointed to represent the Group on the Council of the National Association.

**Worcester.**—A meeting of the Worcester Pharmacists' Association was held on April 22, the President (Mr. W. Corbett) in the chair. It was agreed to undertake dispensing at Insurance rates for pensioners suffering from tropical diseases. A motion was carried to increase the minimum rate for dispensing mixtures by 3d. Satisfaction was expressed with the increased rate of profit allowed by Burroughs Wellcome & Co. on their specialities. Mr. H. O. Lloyd, President of Birmingham Association, then gave an account of the work done by the Local Associations Executive. He asked for the whole-hearted support of the craft on behalf of the L.A.E., as it was the only medium through which many needed reforms could be obtained.

**DANGER IN EGG-POWDERS.**—Professors Sartory and Flament warn householders against the indiscriminate use of egg-powders. They may be suitable for pastry and omelettes, where the heat of the fire destroys any germs.





# Trade Report.

42 Cannon Street, E.C. 4, May 6.

aw of the continued uncertain outlook as regards future course of prices, business in Mincing Lane continues of very limited proportion, and few variations in values have taken place. Spot shellac has further substantial rally of about 70s. per cwt. and market has been very sensitive. Spices, such as pimento, and cloves, continue depressed and sell buyers' favour. Sound Jamaica ginger and chillies in scarce, are an exception. Menthol is rather steadier week's rates, but the dementholised oil is again dear. Japanese camphor has been dealt in freely at a substantial advance. The future of all Japanese products seems under a cloud at the moment owing to the real panic in that country, about which little has been in the Press. Japan, after a period of unended prosperity during the war, appears to have indulged in reckless speculation on a large scale and has miserably "overbought," with the result that goods are thrown on the market and substantial losses are incurred. These factors are reflected particularly in the prices for pharmaceutical chemicals, of which Japan was a heavy buyer. Moreover, arrivals of these products, particularly from Germany, are taking place freely at London. This fact, together with the quiet demand, adds to the undertone of this group. Amidopyrin, barbitone, salicylic acid, guaiacol carbonate, phenazone, and resorcinol have all eased in value. Tannic acid (B.P. leviss.) is dearer. Tartaric acid and cream of tartar are inclined with rather more demand. Apomorphine is steady; morphine is steady and in good demand from the East. The Dangerous Drugs Bill is due for second reading on Monday. Crude drugs have been quiet pending auctions. Bayberry bark is easier; and orders are being met a keen competition. Fenugreek and fennel seed are lower; anise is in fair request. Almond oil is easier.

	Firmer	Easier	Lower
Amidopyrin	Cream of tartar	Almond oil	Amidopyrin
Anise oil, star	Farina (Jp.)	(B.P. sweet)	Anise oil, star
Apomorphine	Petitgrain oil	Balsam tolu	Apomorphine
Areca	Tartaric acid	Bayberry-bark	Areca
Barbitone	(powder)	Bois de rose oil	Barbitone
Canary-seed		Cascara sagrada	Canary-seed
Cardamoms		Illemp-seed	Cardamoms
Cassia lignea		Juniper-berry	Cassia lignea
Clove oil		Lactic acid	Clove oil
Cloues (Zan.)		(B.P.)	Cloues (Zan.)
Eucalyptol		Lavender oil	Eucalyptol
Fenugreek-seed		Lemon oil	Fenugreek-seed
Guaiacol carb.		Mercury	Guaiacol carb.
Ipecacuanha		Pepper	Ipecacuanha
(Matto Grosso)		Soya oil	(Matto Grosso)
Linseed oil		Tartaric acid	Linseed oil
Mint oil (Jp.)		Thyme oils	Mint oil (Jp.)
Orange-peel		Wax, Carnauba	Orange-peel
Phenazone			Phenazone
Resorcin			Resorcin
Salol			Salol

## Cablegrams.

WORK, May 5.—Business is fair. Opium is higher. Peppermint oil in tins has been reduced to 1 lb. Podophyllum root (mandrake) is higher at 60c. per lb. Anti-cancer bark is lower at \$6.50 per lb.  
May 6.—The catch of cod amounts to 28,990,000, against 18,900,000 at the corresponding date last year. The yield of steam-refined oil is now 28,990,000, against 24,150 barrels at the same date of last year. The weather has prevented fishing in the Fin-land district. Market is quiet, with no definite price at the moment.

ELIDE is quoted at 4s. 3d. to 4s. 4d. per lb., and less for quantity from makers.

ALMOND OIL.—Raw material having been more plentiful, English pressers' prices are easier at 3s. 6d. per lb. for sweet B.P.

AMIDOPYRIN is offered at the cheaper rate of 60s. per lb. by importers.

ANISE is in fair request at about 87s. 6d. per cwt. for Russian; the quotation for Spanish is 95s. to 105s. according to quality.

ANTIMONY.—There is reason to believe that the available supplies of refined and crude in this country all put together are of no special importance, and probably by no means reach anything like four figures in tons, but the market has remained distinctly dull. The position is apparently chiefly dominated by the Japanese financial troubles, in addition to the severe fall in the price of silver. Whether the latter fact, which means some reduction in the cost of production, will for some time yet stimulate mining operations is an open question. The future course of the market, naturally, depends on a revival of demand. Foreign refined is said to have been offered down to about 57l., and crude is nominally 50l. to 52l. c.i.f. basis.

APOMORPHINE.—Makers' list price has been reduced 3s. per oz. to 49s. per oz. for hydrochloride crystals.

ARSENIC.—The demand is limited, but supplies of white Cornish are very moderate, and works agents still ask 68l. to 70l. delivered, according to quantity. Foreign parcels are but few, Grecian being quoted 65l. per ton c.i.f. to arrive.

ASPIRIN continues unchanged at from 5s. 11d. to 6s. per lb., at both of which prices makers are selling.

BARBITONE is rather lower, importers offering at 26s. per lb. on the spot.

BAYBERRY-BARK is slightly easier, offering at 3s. 6d. per lb. on the spot.

BROMIDES.—Quiet. Granular potash is quoted at 3s. 6d. and crystals at 3s. 9d. for small parcels. Soda is 3s. 9d. and ammon. 4s. per lb.

CALCIUM LACTATE of American make is offered at 7s. per lb.

CAMPHOR (CRUDE).—Chinese for May-July shipment has been sold at 5s. 6d. per lb. c.i.f. In the drug-auction 50 cases Chinese (92 per cent.) were retired at 10s. per lb.

CAMPHOR (REFINED) is from 1s. 6d. to 2s. per lb. higher, a good business having been done in Japanese 2½-lb. slabs at from 10s. to 11s. 6d. to 11s. per lb. on the spot. For May-July shipment sellers quote 9s. 6d. per lb. c.i.f. English refiners quote sublimed flowers at 13s. 6d. per lb.

CANARY-SEED has continued to fall in price, and fair to good Morocco can be bought at 150s. to 155s. per quarter, and ordinary at 145s.

CARAWAY-SEED is unchanged at 44s. per cwt. for fair Dutch on the spot.

CARBOLIC ACID is firm, makers offering 40° C. ice crystals in large bulk packing at from 1s. 4d. to 1s. 6d. per lb. Japan is offering at 1s. 1d. c.i.f.

CASCARA SAGRADA.—Spot sales of two-year-old have been made at 100s. per cwt., being easier.

CASSIA LIGNEA is lower, with sellers of selected on the spot at 75s. and broken at 60s. per cwt.

CHAULMOOGRA OIL.—Spot sales have been made at from 4s. 6d. to 4s. 9d. per lb.

CHLOROPHYLL is obtainable at from 35s. to 62s. per lb. It has been stated that this substance is grossly adulterated to satisfy ideas of value. The last-named price is for a fine product of guaranteed purity, and a fair size parcel has been sold this week at this figure. To come forward (prompt shipment) 60s. would be accepted.

CITRIC ACID continues very quiet, the high prices asked restricting the demand; 6s. 7d. is quoted for powder or crystals.

CLOVES.—Zanzibar are quiet and easier, with spot sellers at 2s. per lb.

COD-LIVER OIL.—The official results of all the Norwegian cod fishing up to April 24 show a catch of 28,990,000, with a yield of 43,442 hectolitres of steam-refined oil and 4,002 hectolitres of livers for crude oils. The final report on the Lofoten fishing ended on

April 26, gives the following results for the past ten years.

Lofoten Season Ending	Catch of Cod	Yield of Medicinal Oil (hect.)	Livers for Crude Oil (hect.)
April 24, 1920 ...	12,100,000	18,371	2,450
" 26, 1919 ...	7,000,000	8,430	725
" 26, 1918 ...	6,100,000	6,494	610
" 28, 1917 ...	9,200,000	12,001	830
" 29, 1916 ...	14,400,000	15,938	1,350
" 24, 1915 ...	16,000,000	12,651	1,413
" 23, 1914 ...	11,700,000	9,616	1,020
" 26, 1913 ...	10,200,000	6,035	880
" 20, 1912 ...	15,100,000	12,043	1,197
" 20, 1911 ...	10,500,000	2,871	760

The prospects for the Finnmarken fishing are regarded as favourable. The total exports of medicinal oil from Norway from January 1 to the middle of April amounted to 6,500 barrels. The Norwegian market is again reported to be slightly firmer, but quotations are unaltered.

**COPPER SULPHATE.**—Export business continues patchy, and merchants are still looking for fresh outlets abroad, but conditions in the Continental trade are anything but encouraging, buyers being up against a serious difficulty in regard to the exchanges. The nearest quotation f.o.b. Liverpool for casks is 48*l.*, less 5 per cent.

**CORIANDER-SEED** is quiet at 22*s.* to 22*s.* 6*d.* per cwt. for good Morocco.

**CREAM OF TARTAR.**—Rather more demand has been shown at steadier prices, 99 to 100 per cent. powder offering at 295*s.* per cwt.

**CROTON CHLORAL HYDRATE** is offered at 75*s.* per lb.

**CUMIN-SEED** is slow of sale at 47*s.* per cwt. for good sifted Morocco, and at 35*s.* to 42*s.* 6*d.* for inferior.

**DILL-SEED** is quoted 16*s.* per cwt. for East Indian.

**EGG PRODUCTS** are quiet, Chinese liquid hen-yolk offering at 95*s.* per cwt. on the spot, and for May-July shipment 90*s.* c.i.f. is quoted. Dried whole native on the spot is 1*s.* 2*d.*, and sprayed 2*s.*; liquid whole is 92*s.* 6*d.* and dried yolk 9*d.* per lb. spot, at which business has been done. As we close for press an auction including 2,136 casks and cases liquid egg yolk is being held, partly without reserve.

**ERGOT.**—The scarcity continues acute, and for retail lots of Spanish from 37*s.* 6*d.* to 39*s.* per lb. has been paid.

**EUCALYPTOL** is lower at 5*s.* per lb. on the spot.

**FARINA.**—Japanese No. 1 was easier towards the close of the week, spot selling at from 28*s.* to 28*s.* 6*d.* per cwt., but on Monday there was a recovery to 28*s.* 9*d.* to 29*s.* May-July shipment is quoted at 29*s.* to 30*s.* c.i.f., which has been paid. Sweet-potato flour is the turn better at 28*s.* 6*d.* spot.

**FENNEL-SEED** is steady at 34*s.* to 35*s.* per cwt. for East Indian.

**FENUGREEK-SEED** is lower at 11*s.* to 12*s.* per cwt. for common to good Morocco.

**GINGER.**—The stock of Jamaica stands at 3,338 packages, against 8,682 at the corresponding date of last year. Spot sales of best Jamaica have been made at 200*s.* per cwt. for American account, and holders ask 205*s.* Little of good bold sound quality is available. African in Liverpool is quoted at 70*s.* per cwt.

**GUAIACOL CARBONATE** is offered at the lower rate of from 36*s.* to 37*s.* per lb.

**GUM ACACIA** is steady, fair Sudan sorts offering at 72*s.* 6*d.* per cwt., and cleaned at 77*s.* 6*d.* on the spot.

**HEXAMINE** is unaltered at 16*s.* to 16*s.* 6*d.* per lb. on the spot.

**LACTIC ACID** having arrived rather more freely from the Continent, importers are offering at the reduced price of 9*s.* per lb.

**LIME-JUICE** is steady, good West Indian offering at 3*s.* 9*d.* per gallon.

**LINSEED OIL** is lower, spot offering at 97*l.* per ton naked, and Hull at 86*l.* 10*s.* naked.

**MANNA.**—Fine bold white flake can be had at 49*d.* per lb. on the spot.

**MENTHOL** is steadier, with small spot sales of Kobas Suzuki at 55*s.* per lb.

**MORPHINE.**—Hydrochloride is unchanged at 15 per oz. from makers, who report a brisk demand.

**MUSK-SEED.**—Ambrette is quoted at 1*s.* 8*d.* per lb. on spot.

**OPIMUM.**—The London market continues steady at 20*s.* per lb. for druggists' quality on the spot and Persian is nominal at 50*s.* Cables from Smyrna and Constantinople quote from 18*s.* 9*d.* to 19*s.* 3*d.* per lb. for 12 per cent. test.

**SMYRNA, April 9.**—The sales this week amount to 488 at 1,050 piasters per oke for current qualities, equal 20 per lb. c.i.f., and 1,130 piasters for extra manufacturing druggists=25*s.* Market closed firm, with buyers still making engagements unfulfilled. The exchange is 10*s.* to 460 piasters per pound sterling, and \$0.87 for one Turkish paper pound. The arrivals are 1,520 cases, against 5 at same date last year.

**SMYRNA, April 17.**—We have to report a fairly lively market again this week, with sales amounting to 37 cases from 950 piasters to 1,250 piasters per oke, as to date. The oke is equal to 400 drams and the lb. 141 drams are for the equivalent in sterling per lb. of above prices at present exchange is equal to 17*s.* to 22*s.* per lb. c.i.f. charges from 6 per cent. to 7 per cent. Our exchange is 475 piasters per pound sterling for cheque, and \$1 for one Turkish paper pound. The arrivals are 1,533 cases, against 334 at same date last year.

**PEPPER.**—Black Singapore has been fairly steady selling at from 63*d.* to 74*d.* per lb.; to arrive, to include April-June at 7*d.*, May-July and June-August 74*d.* to 75*d.* to 76*d.* Lampong has been sold at 75*s.* and April-June shipment is quoted at 74*d.* c.i.f. for cherry is 9*d.*, and Aleppy 74*d.* spot. White pepper is easier, fair Muntok offering at 1*s.* 1½*d.*, and good October shipment at 1*s.* 1*d.* c.i.f. Singapore 1*s.* 1*d.* spot, and May-July shipment 1*s.* 1*d.* c.i.f.

**PHENAZONE** is cheaper, dealers offering at 30*s.* per lb.

**PHENOLPHTHALEIN** is offered at from 10*s.* 6*d.* to 11*s.* per lb. for U.S.P., according to seller.

**QUICKSILVER.**—The market has relaxed into a very idle and certainly much easier, not to say weak, condition. Surplus lots are rather pressed upon would-be buyers, but seem quite indifferent owing to their belief that business will not revive until another fairly substantial rise has been made in the price. So far as the lead of importers is concerned, it is suspected that large orders would readily be taken at 25*l.* per bottle, less, and in other quarters quotations as low as 24*l.* have been heard of, but the market at the moment is quite nominal. Cheap offers continue to be poured in from abroad, including Japan, at comparatively c.i.f. terms, and it is thus clear that the trade is rather a chaotic state. Second-hand lots of Italian probably be had at 24*l.* per bottle, and Spanish naturally affected.

**RESORCIN** is lower, importers offering at 34*s.* per lb. on the spot and at 33*s.* 6*d.* to arrive.

**SACCHARIN.**—English make (550 pure) is offered at 132*s.* 6*d.* per lb., duty paid.

**SALICYLATES** are steady, B.P. salicylic-acid powder crystals offering at 3*s.* 9*d.* to 4*s.* per lb. from the makers, according to quantity. Sodium-salicylate is offered at from 4*s.* 6*d.* to 4*s.* 9*d.* per lb., and at from 4*s.* 3*d.* to 4*s.* 6*d.*, according to seller. Soda are somewhat irregular.

**SALOL** of finest Continental make has been offered at 6*s.* 3*d.* per lb.

**SENEGA** has an easy undertone, offering at 11*s.* per lb. on the spot. New York, under date of April 24, quotes the "market as firmer at \$2.35 to \$2.40, but nothing has been offered so far, and it has been estimated that gatherers are not willing to negotiate on a basis of present price."

**SHELLAC** is dearer, the spot price of usual standard Orange quality showing an aggregate advance



er cwt., closing on Wednesday at 550s.; AC cakey changed at 580s., and GAL is 550s. Futures have irregular, but higher, the sales including May at 550s. and August at 500s. to 510s. to 485s.

TINIC ACID.—Owing to the American advance to the equivalent of 8s. 6d., announced last week, it is anticipated that the spot price of B.P. *leviss* will go to 6s. 6d., but not until the cheaper sellers have been cleared.

TARTARIC ACID.—After being extremely quiet for the last fortnight, the trade revived somewhat in the middle of the week, with quite a good demand for English powder, for which up to 4s. 2d. has been paid; crystals have also been in better demand at 4s. 6d. Prospects of warmer weather have induced buyers to operate.

TIN HYDRATE is offered at 7s. per lb. on the spot. THIOBROMINE.—The pure alkaloid is higher in one region at 47s. 6d. per lb.

PIMENTINE.—There is a fair but hand-to-mouth demand for spot delivery at the preposterously high price of 210s. per cwt., while the receipts from America continue very small, and the stocks left in warehouses are at a low ebb. Forward positions are exceedingly wide market which fluctuates aimlessly and more reliable news in regard to the new season's arrivals by distillers. Mail reports are very scanty at the moment.

V. CARNAUBA, is easier, fatty grey offering at 275s. per cwt. on the spot.

**London Drug-auctions.**  
*London Commercial Sale Rooms.*  
*Mincing Lane, E.C. 3, May 6.*

There was a moderate supply of drugs contained in the various catalogues brought forward, but the auction was a replica of that held three weeks ago, the demand strictly for current wants by the home trade, while buyers had but few orders to fill. Such was the anxiety with which the brokers went through their catalogue that the sale concluded by 12.30. Cape aloes remained at previous prices, but no business was done. Balsam totu was 3d. easier, and for Sumatra steady rates were paid. Calumba was a dead demand for cardamoms only good pale bleached sold at a reduction. Cassia fistula was steady. Gamboge is declined. Honey has been selling well privately at firmer prices, but in auction buyers held aloof. Grosso ipecacuanha was fully 1s. per lb. cheaper. Pepper was neglected. Myrrh was firm for Aden character. Rhubarb was forced off without reserve. Rhubarb altered, and sarsaparilla, which was about the only drug for which there was any demand, realised steady prices. Tinnevely senna was nominally unchanged in the price of business; no beeswax sold.

	Offered	Sold		Offered	Sold
... ..	5	0	Cochineal	11	0
... (cs.)	51	0	Colocyth	7	7
... gourds (bxs.)	17	0	Cubebs	30	0
... macum	7	0	Cuttlefish-bone	250	10
... ..	121	0	Daniana	5	0
... ..	45	0	Digitalis	7	0
... ..	103	26	Dill seed	20	0
... ..	21	0	Dragon's-blood	27	0
... ..	10	0	Egg, dried, whole	12	0
... ..	16	2	Elemi	54	0
... ..	6	0	Epsom salt (pkgs.)	160	0
... ..	10	0	Eucalyptus oil	54	0
... ..	32	0	Eunymus	62	0
... ..	314	20	Galangal	62	0
... ..	3	0	Galbanum	95	0
... ..	1734	0	Gamboge	33	0
... ..	50	0	Gelsenium	5	0
... ..	33	0	Gingergrass oil (pot)	10	0
... ..	882	41	Grindelia	36	0
... ..	225	0	Guaiacum	12	0
... ..	5	0	Gum acacia	174	4
... ..	45	45	Gum karaya	130	0
... ..	4	4	Gurjun oil	56	0
... ..	100	0	Henbane	5	0
... ..	200	0	Hennal eaves	57	0
... ..	5	0	Honey—		
... ..	15	0	Australian	153	40
... ..	12	0	Californian	95	0
			Chilian	145	28
			Hayti	19	0
			Honolulu	50	0

	Offered	Sold		Offered	Sold
Honey—			Sarsaparilla—		
Jamaica	158	5	Grey Jamaica	22	22
New Zealand	100	0	Lima	7	2
San Domingo	107	0	Mexican	20	0
St. Lucia	12	0	Native Jam.	33	12
West Indian	10	0	Senna and pods—		
Ipecacuanha—			Alex.	107	2
Cartagena	5	0	Tinnevely	641	45
East Indian	15	0	Strophanthus	25	0
Matto Grosso	27	3	Tamarinds—		
Minas	3	0	East Indian	50	0
Jalap	32	0	Tragacanth	4	4
Kola	85	1	Turmeric	717	187
Laurel leaves	92	0	Turtle, dried	1	0
Lavender flowers	12	0	Viburnum prun.	21	0
Lime juice (puns.)	7	0	Verbena	2	2
Lupulin	2	0	Wax (bees)—		
Milk sugar	10	0	Abyssinian	23	0
Musk seed	2	1	Australian	5	0
Myrrh	55	12	East African	388	0
Nux vomica	30	0	East Indian	155	0
Olibanum	154	0	Jamaica	1	0
Orange-peel	116	12	Madagascar	38	0
Papain	(Cey.)	4	Morocco	11	0
Quillaia	11	11	Mozambique	70	0
Rhatany	5	0	Zanzibar	572	0
Rhubarb (Ch.)	85	3	Wild cherry bark	15	0
Saccharin (lb.)	1000	0	Wormseed oil	3	0
Salep	2	0			

ANISE (STAR).—Two lots of 121 cases Chinese were limited at 190s. per cwt.

ARECA.—A lot of 26 bags, lying in Liverpool, sold without reserve at 62s. 6d. per cwt. for fair small to bold clean, being lower.

BALSAM TOLU.—Slightly easier. two cases of fair, a little softish, selling at 8s. per lb.

BENZON.—Steady. Four cases of good Sumatra seconds, well packed with small almonds, sold at 10l. 15s. per cwt., two cases fair seconds went at 10l., and 14 cases of good thirds went at 8l. 15s. Twelve cases middling Palembang seconds were limited at 7l., and barksy thirds at 5l. 10s. per cwt.

CANNABIS INDICA.—Two cases fair Bombay tops were held at 35s. per lb. African was held at from 1s. 11d. to 2s. 3d. per lb.

CARDAMOMS.—Only good pale qualities were wanted, and for the few cases offered prices declined about 6d. per lb. Ceylon-Mysore extra bold pale long sold at 7s.; medium to bold, ditto, 6s. 6d. to 6s. 7d.; fine splits 6s. 6d. to 6s. 7d.; good medium pale splits 5s. 7d. to 5s. 8d.; small brown 3s. 3d. Several bags of Bombay seed sold at 2s. 6d. per lb.

CASHEW-NUTS.—Forty-five packages, all more or less husky, and part-wormy, sold without reserve, on account of whom it may concern, at from 16s. to 20s. per cwt.

CASSIA FISTULA.—Steady. Three cases of fair Grenada pod sold at 185s. per cwt., and for a single box, scented with lime oil, 165s. was paid.

CASTOR OIL.—A lot of 200 drums first pressing (Homco make), lying at a private warehouse, was offered without reserve, but no bid was made.

COCA-LEAVES.—Twelve bags of good green Java powdered were retired at 1s. 9d. per lb.

COCCULUS INDICUS.—A parcel in auction was offered at 80s. per cwt.

COLOCYNTH.—Seven cases fair palish broken apple sold at 9½d. per lb., subject to sellers' approval.

ELEMI.—Fine pale firsts were limited at 180s., and seconds at 150s. per cwt.

HENNA.—A lot of 20 bales fair, rather brownish and slightly stalky, was held at 220s., and powdered at 150s. per cwt.

HONEY.—Privately more interest has been shown during the auction interval. A very fair business has been done, and values are firmer as regards Jamaica, which has been selling up to 100s. to 105s. for pale and at 85s. for ordinary yellow set. Good set Cuban is quoted at 77s. 6d. and fair at 75s.; good San Domingo can be had at 70s. Californian in cases is higher at 105s. to 110s., and good pale set and Honolulu has been selling at 80s. Australian has been quiet, pale set changing hands at 70s. to 72s. 6d. per cwt., and for round lots rather less would be accepted. In the drug-auction the leading selling broker intimated that honey was going to be considerably dearer, and that a good business had been done

privately. These statements, however, did not influence buyers, who held aloof, and the only recorded sales were 20 kegs palish setting Chilean at 90s., and eight kegs very fermented at 60s. Five barrels amber setting Jamaica realised 95s.; 40 cases of Australian catalogued had been sold privately, part at 67s. 6d. for mixed colours.

**PECACUANHA.**—Matto Grosso was 1s. to 2s. per lb. easier than the last public sale, three bales of fair sound bright natural, part rather wiry, selling at 22s. to 22s. 6d. Eight bales Minas were held at 19s. 6d. per lb. A new lot of 14 bales East Indian offered, for which 20s. per lb. was wanted, but there were no bids; quality was uniform, but less bold than usual; a bale of siftings realised 19s. per lb.

**KOLA.**—A single bag of fair Grenada sold at 6d. per lb. **MUSK-SEED.**—A single case of fair Grenada sold at 2s. per lb.

**MYRRH** was firm; 12 bags of fair bright palish, rather small, dusty and slightly blocky, Aden character sold at 16l. per cwt.; ordinary dark and blocky Somali sorts were offered at from 10l. 15s. to 11l.

**ORANGE-PEEL** sold rather cheaply, five cases good bright so-called Maltese strip selling without reserve at 1s. 3d. per lb., and for a single case of dull 11d. was paid. A further six cases dull strip under ordinary conditions sold at 10d.

**QUILLAIA.**—A lot of 11 bales whole, part mouldy and damaged, offered without reserve, and sold at 5s. per cwt.

**RHUBARB.**—Quiet. A single case of medium to bold round Shensi, with three-quarters good pinky fracture, sold at 12s. per lb., and two cases medium to bold flat High-dried, with three-quarters greyish-pinky fracture, realised 11s., being steady.

**SALEP.**—For two bags of fair 10s. per lb. was wanted.

**SARSAPARILLA** was steady, about 12 bales Native Jamaica selling at 3s. per lb. for fair red. Of genuine grey Jamaica, 22 bales offered and sold at steady rates, 3s. 11d. to 4s. 1d. being paid for good grey fibrous, 3s. 9d. and 3s. 10d. for part coarse with a few dark hanks, and 3s. 5d. for part mouldy and dark. Two bales of fair Lima-Jamaica sold at 3s. 3d. per lb., five more being available at the price. Ten bales of *Paçon* (consisting of mostly nicely rolled native Jamaica, specially prepared for the French market) were retired at 4s. 6d. per lb.

**SENNA.**—There was practically no demand, but no good green leaf offered, and prices were nominally unchanged. Small to medium inferior yellowish Tinnevely leaf sold at from 5½d. to 6d., subject. About 30 bales dark to fair pods sold at from 6d. to 6½d., subject, and three bales good pale went at 7d. Of Alexandrian, two bales of good green clean, practically whole, leaf sold with competition at 2s. 9d. per lb.

**STROPHANTHUS.**—Ten bags of genuine Kombe were limited at 3s. per lb.

**TRAGACANTH** brought extremely high rates, a single bag (35 lb.) fine white selling at 105l. per cwt.; 34 lb. good seconds at 92l. 10s.; thick brown and yellow hoggy (190 lb.) from 40l. down to 19l. per cwt.

**TURMERIC.**—Various parcels amounting to 187 bags offered without reserve and sold at 38s. for slightly wormy Madras finger, part bulby, and for sea-damaged from 26s. to 35s. was paid, according to classification. Sound Madras finger is held at from 47s. 6d. to 50s., and fair split Cochín bulbs at 35s. per cwt.

**VERBENA HERB.**—Two bags of old and poor flavour sold without reserve at 4½d. per lb.

### Essential Oils Market.

THERE ARE FEW changes to record this week, and business generally continues dull. Italian oils are slow of sale and somewhat easier. Bois de rose, thyme, Spanish lavender and juniper-berry oil are cheaper. Clove oil is again lower, and petitgrain is scarce and firmer.

**ANISE, STAR,** is quiet and lower, with sales of "Red Ship" brand at 4s. 6d. per lb. on the spot.

**BERGAMOT.**—For commercial quality (35 per cent. l.a.) the spot price is 32s. per lb. For 38-39 per cent. 30s. per lb. has been mentioned at the source. Spot quotations continue to be made around 35s. to 37s. per lb.

**BOIS DE ROSE (FEMELLE).**—The spot price is steady at 52s. 6d. to 55s., but parcels are being offered at from 50s., according to holders.

**CAJUPUT** is steady at 3s. 9d. to 4s. per lb. The *Nine* has brought 100 cases from Java. In the drug-auction five crates Java were limited at 3s. 9d. per lb.

**CALAMUS** is higher on the spot in one direction at 10s. per lb.

**CANANGA.**—Business has been done this week at 27s. 1d.

**CEDARWOOD** is slow at from 3s. 5d. to 3s. 8d. for spot. **CINNAMON.**—Bark oil is firm on spot at 13s. per lb. leaf is steady at from 1s. to 1s. 0½d. per oz.

**CITRONELLA.**—Ceylon is unchanged at last week's tions (Ceylon 3s. 3d. to 3s. 6d., and Java 5s. 6d. per lb.). Considerable arrivals have taken place. *Bellerophon* has brought 44 drums citronella oil from pore to Liverpool, the *Clan Mackenzie* 55 drums from to London, and the *Ningchow* 25 drums from Java. Small tender sale of 2,000 kilos. of Java oil was held at Amsterdam on May 6.

**CLOVE.**—In sympathy with the spice is lower at 19s. **COGNAC.**—White is offered on spot at 13s. per lb., official is steady at 25s. per lb.

**EUCALYPTUS.**—B.P. oils are offered at 2s. 11d. to 3s. per lb. for and for cwt. lots slightly less would be accepted. Drug-auction 20 cases (70 per cent. eucalyptol) were held at 2s. 6d. per lb.

**JUNIPER-BERRY.**—Spanish is lower at 21s. 6d. per wood oil at from 4s. 9d. to 5s. per lb.

**LAVENDER.**—Spanish, 10 to 12 per cent. esters, is easier on spot at 27s. per lb.

**LEMON** is quiet, and lower quotations continue to forward from the source, from 8s. 3d. per lb. upwards, mentioned. The spot prices are from 9s. to 9s. 9d. **SPANISH** oil is offered at 8s. per lb. on spot.

**LEMONGRASS.**—A small tender sale of Java oil (2,000 lbs.) was held at Amsterdam on May 6. A good demand was reported at from 1s. 3d. to 1s. 5d., according to quality for Cochín.

**LIME.**—Fair West Indian distilled has been selling at 8s. per lb. on the spot. Hand-pressed continues scarce firm at 27s. 6d. per lb.

**LINALOE.**—Mexican of good quality is very scarce and but is obtainable at from 37s. per lb. to 40s. Lower have been mentioned, but it is stated these refer to parcels. To come forward 35s. per lb. would be accepted.

**MANDARIN** is quiet at 56s. per lb. upwards.

**MINT** is about 6d. per lb. cheaper, sellers of *Japandemitholised* quoting Kobayashi-Suzuki at 9s. 6d. on the spot, at which sales have been made. Toward close 10s. to 10s. 3d. is reported to have been paid.

**NEROLI.**—The price of French is irregular, up to 10s. per oz., according to quality, being quoted. Spanish lower from spot stocks at 22s. per oz.

**ORANGE** is quiet, with spot offers around 50s. per Sicilian sweet; bitter at 31s. to 32s. per lb. A fair demand for Spanish is reported at 32s. to 35s. per lb., according to quality. The *Vancouver* has brought 38 cases of Indian oil from Kingston to London.

**PALMAROSA,** with 90 to 92 per cent. geraniol value offered at 26s. 6d. per lb. prompt shipment.

**PATCHOULI** is quiet on spot at 87s. 6d. to 90s. per lb. come forward is quoted at 85s.

**PENNYROYAL** is unchanged at 8s. 6d. per lb. for French. Spanish is offered at 8s. per lb. on spot.

**PETITGRAIN.**—Spot supplies are difficult to find at 30s. per lb. for Paraguayan.

**ROSEMARY.**—Spanish is steady at 7s. per lb. for the crop to arrive.

**THYME** oils are easier; for red and white spot price 11s. per lb. for 30 to 35 per cent. and 13s. 6d. for 45 per cent.

**WORMSEED.**—In the drug-auction three cases *An* (Horner's brand) were held at 40s. per lb.

There is little change in the prices of synthetics recorded. Supplies are still very scarce, and there is to be considerable variation in regard to quality. At is obtainable at 40s. to 42s. 6d. per lb. For **BENZAL** f.f.c. 6s. 6d. to 7s. per lb. is asked in one direction. **STYROL** is easier at 40s. to 43s. per lb. for spot and to **COUMARIN** is irregular at from 37s. 6d. to 40s. per lb. It are practically nominal at 120s. per lb. upwards, quality. Business has been done in **METHYL ANTHR** at 42s. 6d. per lb., but higher prices are the rule. **AMBRETTE**, 100 per cent., is offered to come forward 330s. per lb. **XYLOL** is nominal at 48s. to 50s. **NER** steady at 12s. to 14s. on the spot. **RHODINOL** is in supply at 75s. per lb. to 95s. **SAFROL** is on the 6s. 6d. per lb.



### Mexican Linaloe Oil.

The New York "Drug and Chemical Markets" states that Puebla is one of the chief markets for linaloe oil. The oil distilled from the wood has been sold (March 31) at 2 pesos upwards (peso = 2s. nominally), and essence of linaloe from the fruit at 8.00 pesos upwards. The greater part of the linaloe exported in the last few months went to Germany, and France. One-half ton of linaloe shipped on the Holland steamship *Gorredijk*, which arrived in Puebla on March 29 for Rotterdam. The steamer *Avonian*, which sailed on the same date, took the fourth ton of linaloe. . . . The steamer *Zaldyk* from Norway with 4 tons of linaloe. The Mexican port duty on linaloe oil is 50 centavos per kilo. [The quantity of 4 tons mentioned above should be accepted as a reserve, as we understand that 20 cases of 70 lb. each constitute a fair shipment of this article. Norway is importing the oil with a view to reshipping to the United States.—EDITOR.]

### French and Spanish Essential Oils.

A buyer, who has just returned from the south of France, informs us that the new flower crops are gathered, and the minimum price fixed for flowers is 4,500fr. per kilo., which means that neroli oil will be 4,500fr. at the still. Growers anticipate that 12fr. per kilo. will be reached. If this be so, a further 1,000fr. per kilo. will result. This year's crop is of medium quality. There are several factors which have caused the unprecedented price of neroli to be ascribed. First, of all flower crops some time ago agreed on a minimum plan whereby a minimum figure would be set for their output. This has eliminated the irregular practice of each one selling his crop for what he could get. Then there are the higher charges for labour and transport. In addition to these causes, which apply to a large degree to all flower crops, there is reason to believe that, so far as neroli is concerned, more than 50 per cent. of the forthcoming yield of oil was taken up by a few months ago. It is unlikely, therefore, that a demand will produce a weakening effect at this time, and a firmer tendency in regard to oil of this kind may also be anticipated. As we have previously stated, the essential oils market, in sympathy with generally, appears to exhibit a nervous tendency. Buyers are purchasing for immediate requirements. It is interesting to record the opinions of important French and Spanish essential-oil merchants on the production of French oils, it has been stated, that it will be increased in the future, especially so far as rosemary, lavender, and the like are concerned, and that the primary law of supply and demand a recession in the present abnormal quotations is predicted next year. With regard to Spanish oils, conditions are somewhat different. The climate and soil of Spain are suitable for the production of food crops, which are profitable, but much of the land on which oil-bearing crops grew unheeded has been ploughed over and made available for rice. The result is that collectors of oil crops have been driven to the mountainous districts where labour is scarce and transport difficulties are met with the obvious results as seen in scarcity of supplies and high cost. From this position our informant can see no immediate prospect of release. The only conclusion to be arrived at with any certainty, so far as the neroli is concerned, is that any weakening in price is being withheld orders on the part of buyers, and that the indication of supply and demand. For as soon as the production for material is started firmer prices will be set and will continue until production provides a real solution of the problem.

### German Reparation Chemicals.

to carry out the provisions of the Peace Treaty and the supply of pharmaceutical products the German Government has created a Central Bureau in Frankfurt/Main. All manufacturers are called upon to report to this Bureau the fullest statistical particulars regarding their products manufactured by them in the years 1913 and 1914. Further, manufacturers are required to report the amounts produced from January 10 to 31, and from March 1 to 29, and from March 1 to 31 of this year, indicating at the same time the lowest prices at which each product was sold, and to which country it was sold at the lowest prices, based on the date of the way. The particulars will in future have to be supplied by the 10th of the following month at the

latest. As from January 10, 1920, 25 per cent. of the total daily production of all pharmaceutical synthetics will have to be carefully stored, and held at the disposal of the Central Distributing Bureau.

### Java Cinchona Board.

"De Indische Mercuur" (March 26, 1920) reports that the following delegates have been nominated to the Cinchona Board for the year 1920: G. J. Houtsma, President; J. G. Hoekman, of the Semarang Administration; W. C. Loudon; P. J. Brandenburg, of the Bandoeng Quinine Factory (the two latter gentlemen as substitutes); W. Stoltz as secretary and treasurer; H. Aars as assistant secretary.

### Arrivals of Drugs, Chemicals, etc.

This section is now restricted to imports of direct interest to the Chemical and Drug trades.

The following products have arrived at the ports named:

London

(April 19 to 26).

Chemical products, etc.: (Fr.), 202 pkgs.  
 Argol, (Gre.) 302 bgs., (Fr.) 212 bgs., (Sp.) 385 bgs. 47 cks.  
 Arsenic (Port.), 38 cks.  
 Barium chlor. (Antw.), 103 pkgs.  
 Barytes, (It.) 219 bgs., (Germ.) 150 cks.  
 Caffeine (Germ.), 22 cs.  
 Calc. bicarb. (Antw.), 8 brls.  
 Chlorophyll (Fr.), 16 pkgs.  
 Citric acid, (Fr.) 60 cks., (Danzig) 28 cks.  
 Copper acet. (Fr.), 18 cs.  
 Formaldehyde (B. Aires), 33 cs.  
 Haemoglobin (Fr.), 6 cs.  
 Lead carb. (It.), 32 cks.  
 Magnes. carb. (Antw.), 35 cks.  
 Magnes. chlor. (Fr.), 22 cks.  
 Mercury (Fr.), 87 bots.  
 Nerolin (Fr.), 3 cs.  
 Potash salts: (Germ.) 1,137 drs., (Black Sea) 241 brls.; bichromate (S. Amer.), 5 cs.; chlorate (S. Amer.), 40 cs.; muriate, 458 bgs.; sulphate, 250 bgs.  
 Prussian blue (Antw.), 25 brls.  
 Resorcin (Fr.), 6 cks.  
 Soda bisulph. (Germ.), 63 cks.  
 Soda chlorate (Swe.), 50 cs.  
 Soda oxal. (Antw.), 13 cks.  
 Soda phosph. (Antw.), 147 pkgs.  
 Sulphur (U.S.), 1,600 bgs.  
 Tannic acid (St. John, N.B.), 30 brls., (Belg.) 30 pkgs.  
 Tartar, (Fr.) 205 bgs. 9 cks., (Sp.) 232 bgs.  
 Tartaric acid (It.), 40 pkgs.  
 Zinc oxide (Antw.), 100 brls.  
 Cocoa butter (Swe.), 20 bls.  
 Drugs, crude, etc.: not described, (Germ.) 36 pkgs., (St. John, N.B.) 40 cs.; roots, (Germ.) 8 bls.; herbs, 102 bgs.  
 Areca (Cey.), 134 bgs.  
 Balsams (Cristobal), 26 cs.  
 Cannabis indica (E.I.), 107 bgs.  
 Cardamoms, (E.I.) 147 cs., (Cey.) 10 pkgs. 16 cs.  
 Chamomiles (Belg.), 10 bls.  
 Cinchona, (Germ.) 10 cs., (E.I.) 13 pkgs.  
 Coca leaves (Cristobal), 224 bls.  
 Galls (Tky.), 67 bgs.  
 Henbane (P. Said), 10 bls.  
 Jalap (Germ.), 50 bgs.  
 Kola (W.Af.), 32 bgs.  
 Liquorice juice (Belg.), 10 cks.  
 Lupulin, (Hamb.) 18 cs., (Antw.) 10 cs.  
 Myrrb (Aden), 46 bgs.  
 Opium, (It.) 24 cs., (Smyr.) 41 cs.  
 Quillaia (Fr.), 46 bls.  
 Valerian (Antw.), 10 bls.  
 Gums, resins, etc.: not described, (Aden) 14 bgs., (Suez) 760 bgs., (Port.) 80 pkgs., (Fr.) 82 bgs.; acacia (Aden), 296 bgs.; copal (Antw.), 737 bgs.; lac (Cal.) button 50 cts., shell 400 cts., 800 cs. 500 bgs.; mastic (Gre.), 10 cs.; resin, (Fr.)

25 oks., (Antw.) 21 cks.; tragacanth (Tky.), 46 cs.  
 Oils, essential, etc.: (Sic.) 22 cs., (Fr.) 11 cs., (Sp.) 9 pkgs.; cinnamon leaf (Cey.), 27 cs.; lemon (Fr.), 10 cs.; lemongrass (Cochin), 14 drms. 5 cs.; rose (Tky.), 11 cs.; turpentine, (Norw.) 222 brls., (Denm.) 41 cks., (Swe.) 18 cks. 68 brls., (Gre.) 48 cks., (Antw.) 159 brls., (Fr.) 100 cks.; wintergreen (Antw.), 6 cs.  
 Olive oil (It.), 200 cs.  
 Spices: cinnamon (Cey.), 60 bls.; cloves (Cey.), 28 cs.; nutmegs, (Penang) 100 bxs., (Cey.) 15 pkgs.; pepper, (E.I.) 1,493 bgs., (Sp.) 20 cs.; pimento (Antw.), 223 bgs.  
 Vanilla (N.Z.), 31 cs.  
 Waxes: (Germ.), 81 bgs.; paraffin, (Swe.) 39 bgs., (Antw.) 1,727 bgs.

Liverpool

(April 19 to 24).

Chemical products, etc.:  
 Betanaphthol (N.Y.), 8 brls.  
 Calc. borate (S. Amer.), 6,590 sks.  
 Citric acid (Fr.), 40 cs.  
 Soda bichrom. (N.Y.), 115 cks.  
 Tartar (Fr.), 345 bgs. 98 cks.  
 Zinc oxide (N.Y.), 225 brls.  
 Drugs, crude, etc.: roots (Fr.), 20 bls.; leaves (Fr.), 7 bls.  
 Calumba (B'bay), 250 bgs.  
 Castor oil (Fr.), 17 cks.  
 Gentian (Fr.), 42 hds.  
 Lavender flowers (Fr.), 7 bls.  
 Gums, resins, etc.: acacia (W. Afr.), 1,599 cs.; resin (U.S.), 1,450 brls.  
 Petroleum jelly (U.S.), 140 brls.  
 Waxes: bees' (S. Amer.) 5 cs., (Fr.) 53 hds.; paraffin, (U.S.) 1,003 bgs. 550 brls., (scale) 547 brls.

Manchester

(April 19 to 23).

Acetic acid (N.Y.), 358 brls.; Antimony salts (Fr.), 6 cks.; barytes (Hamb.), 36 cks.; benna (Alex.), 20 pkgs.; formaldehyde (N.Y.), 125 brls.; lavender oil (Fr.), 2 cks.; lead acetate (N.Y.), 39 brls.; petroleum jelly (N.Y.), 40 brls.; pot. pruss. (Fr.), 4 cks.; resin (U.S.), 100 cks.; soda cyanide (Fr.), 500 cs.; soda nit. (Fr.), 11 cks.; sulphur, (U.S.) 3,100 tons, (Sic.) 850 bgs. 200 brls.; tannic acid (N.Y.), 10 cs.; tartar, (N.Y.) 15 cks., (Fr.) 214 bgs.; tartar emetic, (N.Y.) 26 cks., (Fr.) 6 cks.; wax, paraffin (N.Y.), 578 bgs., (scale) 1,268 bgs.

Southampton

(April 20).

Alcohol (Natal), 69 drms.; arrowroot (Natal), 28 pkts., casein (Fr.), 134 bgs. 160 sks.



### The Council Election.

SIR,—I hear that certain Federation areas are asking their own associations to plump for the local candidates. I hope voters will not adopt this selfish policy. There are three classes of candidates: (1) Employers' nominees, (2) company representatives, (3) assistants' and trade-union representatives. Voters of Class (1) interest, in at least one area, are asked to run a serious risk of losing representation on the Council by adopting the policy above indicated. Would it not be wiser to vote for the seven men best fitted, in the opinion of the voter, to deal with the grave problems in front of us? This would most probably ensure the return of the men desired and have a certain value as a form of referendum.

Yours faithfully,

Harborne.

GEORGE KNOWLES.

SIR,—With reference to Mr. Humphrey's letter on the Council election (*C. & D.*, May 1, p. 97), I should like to state, as President of the London County Pharmaceutical Association, that on March 16 a fully representative meeting of the County Executive decided to call a special meeting for April 8 to consider the full list of candidates. At this special meeting, due notice of which was sent to each member, all the constituent associations, with one exception, were represented. The two resolutions, endorsing the policy of the Council and recommending the support of five retiring councillors—namely, Messrs. Bilson, Cuff, Melhuish, Rowsell, and Young—were carried *nem. con.* It is much to be regretted that an attempt to belittle or question the authority of a properly constituted central body should be made by any absent members of that body.

Yours faithfully,

115A Stoke Newington Road,  
London, N. 16.

GEO. B. BARNARD.

SIR,—In the consideration of the claims of apothecaries' assistants to registration under the new by-law it would be an advantage to include in the selection committee a member with experience in Poor-Law matters. The largest number of applicants for registration will be from Poor-Law institutions, and if a proper scrutiny is not exercised by those familiar with that branch of the medical service it may be possible to have placed upon the Register a number of superintendent nurses who are engaged in dispensing. A Poor-Law pharmacist is one of the candidates at the coming election, and ought to be returned for this purpose.—Faithfully yours,

AUDEX. (3/5.)

*Scrutator* (3/5), who sends us his selection of candidates for the Council election, writes: "For Heaven's sake let us have men on the Council who have ideas, and are prepared to stand up boldly for the sanctity of our qualification."

### Profits on Proprietaries.

SIR,—Your correspondent "Argon" (*C. & D.*, May 1, p. 97) gives two sound reasons for alarm at the ever-increasing number of proprietary articles thrown on the market. "(1) More capital employed without corresponding return. (2) The proportion of non-profitable trade is increased." It is also apparent that it must spoil local retail trade in ordinary generalists for which patents are but substitutes. The chemist not only sells the patents for little or no profit, but chances repeat orders going elsewhere. There would be a panic among chemists if a number of new shops were opened in their town. Yet they openly encourage the sale of their opponents' goods. For the sake of a few extra bonus packets they give their window-space and indirectly their recommendation, while the bait of an extra 2½ per cent. (the stores receive 10 per cent.) will induce them to purchase more than their actual requirements and so find the capital for the invader's newspaper advertising. It is certain chemists

cannot afford to pay good wages to an assistant these goods at less than 33½ per cent. "Fairplay" writes as an assistant, and thinks he should have a week, can easily see that he would have to sell with hands 1,600l. worth of patents at P.A.T.A. prices his wages, and I will leave him to judge how much profit or loss would be left for the proprietor who employs him.

Hereford.

Yours faithfully,

J. J. JACOB.

SIR,—“Straight Deal” puts forward the plea that present patent-medicine stamp duties make it impossible for the manufacturer to give fair profits to the distillers of the trade, and that the only way out of difficulty is a revision of the stamp duties on patent medicines. Yet, had it not been for the action of the Manufacturers' Association, a revised scheme of grant stamp duties would have been incorporated in the Budget. I venture to predict that if the retail and sale distributors organised and refused to handle proprietary articles showing an inadequate profit, the medicine stamp duties would not prove to be an insuperable barrier to the granting of fair trade terms. In the trade would the manufacturers of goods suggest terms of business as those connected with the sale of Peps, Zambuk, Bile Beans, Nurse Harvey's, etc. Until the retail trade is efficiently organised and prepared to co-operate to get fair terms, manufacturers continue to give inadequate profits to the distributors even if a revised scale of stamp duties came into effect. Our policy is one of drift. We wish for better terms of business, but take no efficient steps to get the cause was ever advanced by toasting its success. nectar of Morpheus or holding council in the vale of the Lethe.

Yours truly,

PHARMICO.

### The Organisation of Pharmacy.

SIR,—Sir William Glyn-Jones must have a very sense of humour when he uses it at the expense of constituents, or did he only “speak sarcastic” when he informed the Liverpool Chemists' Association (*C. & D.*, May 1, p. 91) that no other calling was better known than that of pharmacy? Why, organisation is what the pharmacists all over the country are clamouring for, and not the Council just awakened to the fact and embarking on a test case to see whether it can organise trade or not? If pharmacy had only one quarter of an organisation, let us say, of the medical or legal professions, there would be no company traders, no bad qualifications, no supplies of drugs to the State at price, and the Pharmaceutical Council as at present constituted would have been decently interred long ago. It is of no use recapitulating all the old disappointments and the things that might have been, but in every case that I can think of pharmacists have come off worst for want of an organisation that would stand up for rights instead of accepting anything that was put out to them, with humble thanks. Why, even retiring members of the Council in their election content themselves with generalities, and do not at point out a single definite benefit that has accrued to pharmacists under their guidance.

Yours faithfully,

CHICOT.

### Corner Shops and Loiterers.

SIR,—Could any *C. & D.* reader suggest a means of preventing people loitering in front of the window shop at the corner of a busy street, thereby blocking the view the goods displayed? Complaints to the police are quite useless, and in any case the matter is outside the province of these officials, since the actual street is not interfered with by the loiterers. The police have unofficially suggested that a summons for trespass be a remedy, but one hesitates to adopt this plan. I am not the only corner chemist in my town with this nuisance, which seems to have greatly increased since the end of the war, and I am sure there are many pharmacists in other parts equally interested in the matter.

Yours, etc.,

MOVE ALONG.



# Legal Queries.

*M* (30/4).—Iron wine B.P., as a "known, admitted, approved remedy," can be recommended on the label for anæmia or weakness and sold by chemists without liability to stamp-duty.

*L* (20/4).—Lysol is a poison in Part II. of the schedule of the Poisons and Pharmacy Act, 1908, and may only be sold retail by pharmaceutical chemists and druggists.

*B.C.* (28/4).—If you sold pills "which do not contain drugs" you would run the risk of prosecution for fraud, if it would depend upon whether the pills were found to have medicinal effect.

*T.C.* (24/4).—Theocin is a trade-mark used for theophylline, an isomer of theobromine. Theocin sodium is theophylline sodium acetate isomeric with theobromine sodium acetate. It would not be correct to order a preparation when theocin is ordered in a preparation.

*S. Neuchâtel* (20/4).—There is in this country a large number of drug-dealers who are not pharmaceutical chemists or druggists who sell most of the articles to qualified chemists except poisons. There is no restriction for this class of drug-dealers. In other countries, outside poisons, there are practically no restrictions in the United Kingdom on the sale of articles found in drug shops.

*G* (64/33).—The trend of the decisions under the Food and Drugs Acts at the present time is to regard borax when sold by chemists as being the "purified" of the British Pharmacopœia, although it is commonly employed as an internal remedy. In these cases "borax" is sometimes used without qualification, but such a description as "Borax for washing purposes" or "Washing Borax" would, we think, be sufficient to protect the vendor from unreasonable claims of purity.

*W* (26/4) asks, Is a widower, who has perforce employed a housekeeper, classed as a married man or as a single man under the new income-tax arrangements? [As the husband is dead, but if he has a female relative (either his or his deceased's wife's relative) resident with him for the purpose of having the charge and care of his children, an allowance of 50% is made from his taxable income in respect of such relative. He is, of course, entitled to an allowance for any children living with him dependent on him, as well as to the allowance granted to a widow of himself or of his deceased wife who is, by reason of age or infirmity, incapable of self-maintenance, and who he maintains.]

*W.S.* (27/4) refers to the greatly increased cost of board and lodging for assistants living in compared with previous times and asks if there is any maximum allowance as a deduction for income-tax purposes under the new law and whether he can deduct as a business expense the actual sum which the board and lodging of his assistant costs him. [There is no maximum. A taxpayer is entitled to deduct from his returns the expenses necessarily incurred in providing board and lodging for an assistant, provided this provision is part of the consideration for the employee's services. It is immaterial whether the sum claimed is arrived at, provided it is the actual sum expended, and "T. W. S." ought to be permitted to verify it if questioned by the surveyor.]

*B.* (3/4), several years ago, was engaged by A as manager, the written agreement describing the appointment as a "permanency." Two years ago A conducted his business into a "one-man" company, and B has continued to act in the same capacity, although his services have not been formally transferred to the company. A now contemplates selling the business, and "F. B." asks whether he would have any

claim against A or the company for removal or other expenses in the event of his "permanent" engagement being terminated. [We are of opinion that no Court would consider that "F. B." is entitled to employment by A or the company permanently in the literal sense, and that, provided the contract of service is terminated by a reasonable period of notice, "F. B." will have no claim against either.]

*Phoenix* (4/5) asks whether he can be compelled to furnish a detailed statement of accounts to the Inspector of Taxes each year, or is it sufficient if he makes a return on the income-tax form which he receives each April. Further, have the Commissioners or the Inspector of Taxes power to compel anyone to employ chartered accountants to certify accounts as correct. [The only legal obligation "Phoenix" is under is to fill up the income-tax return correctly and send it within the period set out in the document to the Inspector or other taxes official. The Commissioners or Inspector cannot compel anyone to employ chartered accountants; but the position is this: If "Phoenix" makes a certain return of income and the Inspector assesses him at a higher figure, then if an appeal is made to the Commissioners against the Inspector's assessment, the Commissioners may confirm this assessment and dismiss the appeal, unless books and accounts are produced which they think are required to support the appeal.]

*Spade* (24/4) asks whether the provision that income-tax assessments shall be made on the basis of the actual income of the year previous, not the current year, is applicable to Schedule E assessments. Being manager of a branch of a limited liability company, he has received a form calling on him to fill in his income for the year ending April 5, 1921, and he asks if he has to give this income, especially as his present weekly salary is not a fixed sum. [Having regard to his position, "Spade" is properly assessable under Schedule E. Assessments under this schedule have to be made on the actual salary of the year of assessment, not on the salary of the previous year, but this need involve no hardship to the taxpayer, because if the sum at which he was assessed turns out to be more than his salary actually was in the year, he can claim to have the amount of the overcharge returned to him at the close of the year. "Spade" would do well, when sending in his return, to point out that his income is not a fixed one.]

*North Yorks* (23/4) hopes shortly to commence in business as a pharmaceutical chemist, but before doing so wishes to know what his position will be as regards excess profits duty. In the spring of 1915 he joined up, prior to which he held the position of manager at a salary of 3*l.* 15*s.* a week. He served until April 1919, and has since leaving the Army merely held some locum appointments because of his impaired health. He refers to the answer given by the Chancellor of the Exchequer to Mr. Betterton on March 29 (*C. & D.*, April 3, p. 73), from which he concludes that if he now set up in business he would be liable to pay excess profits tax on the whole of the profits of the business less 200*l.*, supplemented by the additional allowance under section 26 (4) of the Finance Act, 1917. He asks what is the meaning of this allowance and where he stands in case he engages in business. [The inference drawn by "North Yorks" from the Chancellor's answer is not accurate. Before any excess profits duty would be chargeable on the profits of a business he might engage in, he would be entitled to deduct the following: (a) The pre-war standard of profits of the business; (b) 200*l.*; and (c) what is known as the small trader's allowance, granted by the Finance Act, 1917, that is one-fifth of the amount by which the profits for the year are less than 2,000*l.* The following example will illustrate: Suppose "North Yorks" sets up in a business of which the capital is 2,000*l.*, and suppose he makes 750*l.* profit in the year, then the allowances are: Pre-war standard, 220*l.*; statutory allowance, 200*l.*; small trader's allowance, 250*l.*; in all 670*l.*, so that the tax would be payable only on 80*l.*]

## Dispensing Difficulties and Notes.

### Phenazone Mixture

SIR,—I should like your comments on the following prescription:

Phenazonum	...	...	3j.
Liq. am. acet. conc.	...	...	3j.
Sp. am. arom.	...	...	5iij.
Mag. sulph.	...	...	3j.
Aq. ad	...	...	3iij.

A white crystalline deposit settles out, on standing a few minutes, and adheres to the bottle. The addition of a little muc. acacie allows of the precipitate being shaken up, but it is not quite satisfactory even then.

Yours faithfully,

A. H. R. (8/4.)

[The mixture was compounded by us by placing the phenazone and magnesium sulphate in a mortar and triturating with the liquid constituents until solution was effected. The deposit which occurred with you has not appeared in the mixture which we compounded, and it has been standing under observation for some days. From your description of the deposit and its behaviour we take it to have been crystals of phenazone crowded out of solution by the magnesium sulphate, the mixture containing a large quantity of solid material. The solution of so large a proportion of magnesium sulphate produces a considerable reduction of temperature, and we found that it was necessary to let the mixture stand in the mortar till its temperature had risen to that of the atmosphere before the last crystalline particles of phenazone disappeared in solution. This with the use of distilled water. If tap-water of a somewhat hard variety were by any chance used, it would probably lead to production of some deposit of phenazone, or a cold day would induce a similar result.]

### A Cerium Oxalate Mixture.

SIR,—The following mixture was dispensed twice and nothing abnormal noted. On the third occasion a double-sized bottle was sent out, and the next day the customer telephoned to say the bottle had cracked. Another mixture was made up with like result. The next time, the mixture was allowed to stand for some hours until the reaction had ceased. Will you explain the reason for the evolution of gas?

Yours truly,

FITCHLEY. (18/4.)

Ammon. brom.	...	...	3j.
Cerii oxalatis	...	...	3j.
Bismuth. carb.	...	...	5ij.
Mucilag. trag.	...	...	q.s.
Sodii bicarb.	...	...	3j.
Spt. chlorof.	...	...	5iss.
Aq. m. pip. ad	...	...	3vj.

[The cerium oxalate is the agent which promotes the trouble which you have experienced with this mixture. Its action is analogous to that of bismuth subnitrate when compounded with sodium bicarbonate in a mixture, a slow double decomposition taking place with disengagement of  $\text{CO}_2$ , and if this be allowed time to accumulate either the bottle will be broken or the cork blown out. The reaction of cerium oxalate is acid to litmus. Being an insoluble substance reaction with the sodium bicarbonate occurs very slowly, and some time is required before it is developed. The length of time will vary according to the temperature at which the mixture is compounded. The difficulty can be surmounted by triturating together the sodium bicarbonate and cerium oxalate with some of the peppermint-water warmed sufficiently to ensure hastening reaction without risk of decomposing the sodium bicarbonate about  $115^\circ$  to  $120^\circ$  F. This procedure was current when compounding mixtures containing bismuth subnitrate with bicarbonate of sodium before prescribers adopted the prescription of bismuth carbonate instead of subnitrate in such combination.]

## Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us of their origin, what they are, what they are used for and We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

### Phoenix (28/4).—EAU DE VETIVER.

Ol. bergamot	...	...	5iss.
Ol. vetivert	...	...	5ss.
Ol. neroli	...	...	5ss.
Ol. rosmarini	...	...	11x.
Ol. limonis	...	...	3j.
Sp. rectificat.	...	...	3xx.

M.

C. F. F. J. (29/4).—B. I. P. PASTE.—See *The Chemist and Druggist Diary*, 1918, p. 69.

N. C. H. (29/4).—The Committee appointed by the Ministry of Health is not to consider the question of proprietary medicines (see *C. & D.*, May 1, p. 8).

P. T. Q. (28/4).—OPTICAL BOOKS.—Laurance's "Catalogue and Practical Optics" is published by the School of Optics, Ltd., 2 Guilford Place, London, W.C.; "The Key to Sight-testing," by J. & H. Taylor, 54 North Street North, Birmingham.

Spiro (27/4).—ALLANTOIN is given internally in the form of a saturated solution (0.3 to 0.4 per cent) the dose being 3ss. to 3j. three or four times daily.

A. J. J. (27/4).—It is a waste of ether to add motor-spirit, as the difference in the power of the explosions in an internal-combustion engine is so slight.

F. C. F. (28/5).—BLACK PAINT FOR WOOD.—This employed for the interior of show-cases is made by mixing ivory black with spirit varnish, and diluting with methylated spirit until of the proper consistence for use with a brush.

D. F. (25/4).—ETHER FROM RECTIFIED SPIRIT, known as "ether purificatus," is designed for inhalation as anæsthetic, but ether for anæsthesia can be made by washing methylated alcohol by washing and redistillation to purify it from methylic ether, which, being more volatile than ethylic ether, is dissipated during the process.

G. D. M. (28/4).—Naphthalene is the most useful insecticide. About 1 lb. is needed for every load (2000 lb.) of soil. Carbon bisulphide, carbon tetrachloride, benzene, and nitrobenzene have been recommended at different times. These are injected into the soil and are apt to kill plants if used too near.

## Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," May 14, 1918.

### French Pharmacy.

Lent is over, and Parisian gaieties are once more in swing. The precocious weather of last month prematurely brought out the leaves and toilettes that surround them, and both mankind and fishes felt that the *défense de pêcher* ought to have commenced earlier this season. Foreign strangers perambulate the shady side of the Boulevard and the tempting wares of the artistic Paris tradesmen are greedily bought at three times their worth. Cheap medicine at the Palais Royal are bringing retribution on the confiding Britishers who, accustomed as they are to the cheap and ale, find their indigestions sadly unstrung by the *naïses* or *béchamelis*, and gladly seek relief in pills and Seidlitz powders. Prescribing is not much practised by French pharmacians; in fact, they seem to have no idea of it, and live in such an unwholesome fashion, that they dare not make up an authorised prescription. This to wit—a friend, suffering from a cold, requested a pharmacien to make him up some simple sudorific such as he had been accustomed to have at home: a *pâte de guimauve* and a handful of the four flowers wherewith to make a *tisane*, were suggested as the best remedies.





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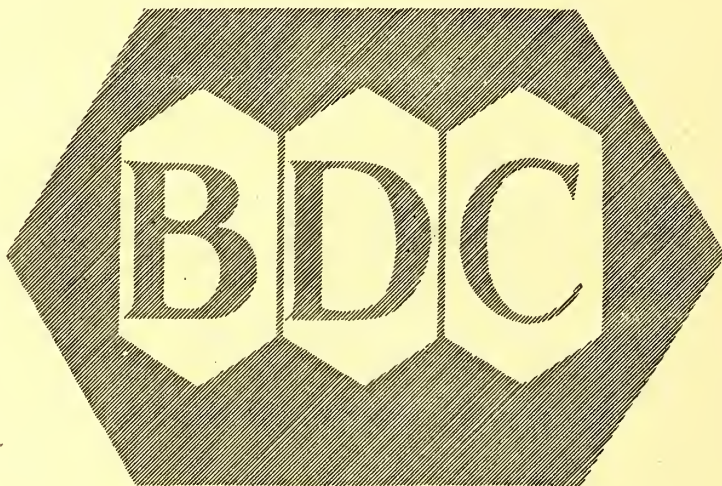
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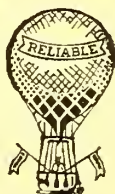
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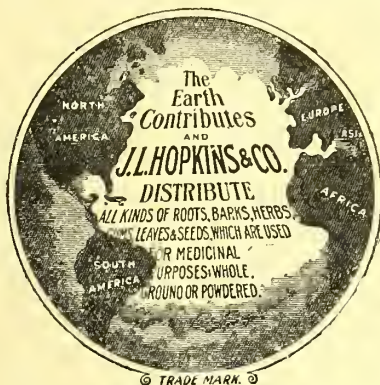
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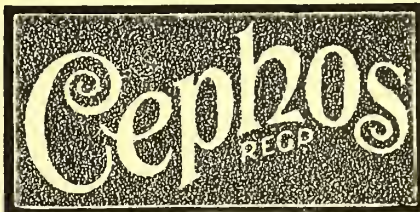
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**Messrs. FREESE & MOON, LTD.**

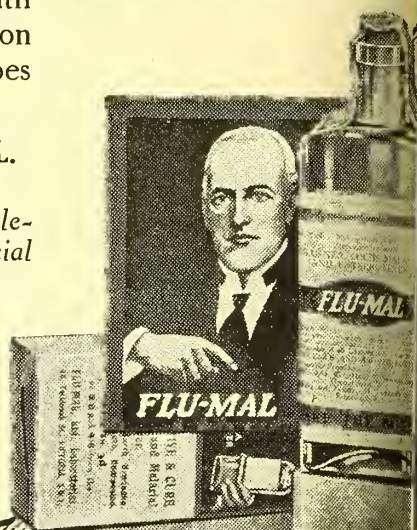
59 BERMONDSEY ST., LONDON, S.E. 1.

*Special Terms for Window Display.*

**Sole Proprietors: FLU-MAL, LTD.,**

44 Tachbrook Street, London, S.W. 1.

**FLU-MAL**



## TIDMAN'S SEA SALT

**P. A. T. A.**

secures profits as follows—

3d. Packets	44%	on	Cost	Price
1½ lb. Boxes	37%	"	"	"
3½ lb. "	37%	"	"	"
7 lb. "	41%	"	"	"
14 lb. "	35%	"	"	"

All orders of 20/- value and upwards are carriage paid. Cases at bare cost.

*28 lb. Bags,	Sent direct to	{	16%
*56 lb. "	Chemist's	{	20½%
*1 cwt. "	own customer	{	24%

\*No Stock to hold or handle.

Prices on application to—

**TIDMAN & SON, LTD.,**  
WAPPING, LONDON, E. 1.,

or to any Wholesale Patent Medicine House  
in the United Kingdom.

## IT'S UP TO YOU

TO ADVISE YOUR CUSTOMERS TO BUY

SUPPLIED  
WITH FREE  
VAPORISER  
IN  
EACH CARTON



SEND FOR  
OUR NEW  
ATTRACTIVE  
SEVEN-COLOR  
SHOWCARD

## FUOO-TARACINE

RECOMMENDED BY THE MEDICAL  
PROFESSION for the Treatment of  
INFLUENZA

ASTHMA  
MEASLES  
WHOOPIING COUGH  
SCARLET FEVER  
CATARRH  
SORE THROAT  
BRONCHITIS  
SPASMODIC CRO

and all Throat and Chest Complaints.

2 oz. 1/4 3/4 4 oz. 3/3 16 oz. 6

**THE COAL BY-PRODUCTS CO.**

(Proprietors, Preston, Hall & Co., Ltd.)

Holborn House, High Holborn, LONDON, W.C.



# Mother Seigel's Syrup

## OUR SPECIAL ADVERTISING OFFER.—

On orders to the value of £5 and over, conditional upon settlement being made within 30 days from date of invoice, a discount of 5% will be allowed to dealers who undertake to make, within one month from receipt of goods, an effective window or counter display of a portion of the goods, and of the small Showcards accompanying them. The goods will be sent carriage paid and packages free.

This offer makes possible a profit of nearly 30% on turnover, or about 10½d. on the sale of each bottle of Mother Seigel's Syrup.

Orders may be sent through your wholesaler, or direct to us.

## P.A.T.A.

ONE SIZE ONLY.—Owing to the incidence of the Revenue Stamp duty, and the greatly increased costs of production and distribution, we found it impossible to grant adequate discounts to the Trade on the sale of the small size (1/3) bottle of Mother Seigel's Syrup. Accordingly, as previously announced, we discontinued issuing this size (1/3) in Great Britain on March 25, 1920.

YOUR OLD STOCK.—As the Face Value and Protected Price of Mother Seigel's Syrup is now 3/-, and you may still have in stock some bottles marked 2/9, we shall be pleased to send you, on request, a supply of gummed labels to adjust the price. State the number of bottles you have marked 2/9, and we will send you two labels for each bottle.

## 30% PROFIT & FACE VALUE

All Proprietaries on P.A.T.A. Price Lists on request. A. J. White, Ltd., 35 Farringdon Road, E.C.1.

## D.D.D. Prescription

FOR ALL SKIN & SCALP DISEASES

well-advertised, high-grade preparation, enjoying steady increasing sale. On the P.A.T.A. protected, giving the retailer a profit of about 25%

### TRADE PRICES.

	per doz.
D. Prescription 3/- bottle, M.R.P. Face Value, @ 27/-	
" 5/- " " " " " 47/-	
two strengths Ordinary and Strong.	
	pe doz
D. Soap ... 1/3 tab. M.R.P. Face Value, @ 10/-	
Sing Soap 1/6 stick " " " " 13/6	
Washing Cream 2/6 jar " " " " 22/6	
Shampoo Powders 2/6 box " " " " 22/6	

paid to any part of the United Kingdom.

Showcards &c. Supplied Free.

D.D.D. Co., Ltd.  
7 Fleet Lane, Ludgate Circus London, E.C.4

## LIQUID BARKOLA COMPOUND

Wholesale 30/- per doz.,  
Retail 3/- each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula—

Liq. Barkola Comp., 1 oz.; Tincture of Gentian, 1 oz.; Syrup of Rhubarb, 1 oz.; Syrup of Ginger, 5 oz.

Chemists charge according to their own scale for dispensing

**THE BARKOLA CO., LTD.,**  
42 Great Dover St., LONDON, S.E.1.

Proprietors of Barkola Alvexo, Barkola Balm, &c., &c.

## SAPONTINE

(SOLUBLE)

Special Terms to Wholesalers and Large Consumers.

MANUFACTURED BY

**C. W. FIELD, LTD.,**  
Cambrian Mills - - - Liverpool.

Genuine Russian

**LIQUID PARAFFIN**

All gravities, correct viscosities

"Jasmine Brand"

**ADEPS LANÆ**LanolineSuperfine  
Anhydr.  
and Hydrous

"Jasmine Brand"

**PETROLEUM JELLIES**

White and Yellow

"Jasmine Brand"

**WHITE OILS**Chem. Pure, Water-white,  
Tasteless, Odourless

FOR MANUFACTURING PURPOSES

B.P.1914Finest QualitiesCompetitive  
Prices

ALSO TRANSFORMER &amp; INSULATING OILS.

**The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.****3 St. Helen's Place, LONDON, E.C.**

Actual Refiners and Manufacturers at their Works near London.

**SPECIAL OFFER**

TO

Hairdressers' Sundriesmen  
and others

50 gross 12-oz. pure

**KRAFT UNGLAZED****TOILET ROLLS**To Clear, **103/-** per Gross.5-gross lots at **110/-** per gross, net. Cash on  
delivery, carriage paid. Samples on application.**Corrugated Rolls and Boxes. Complete****Packing Schemes. Keenest Prices.****Inquiries Welcomed.**IMPORTANT—Address all letters to  
**I. M. RICHARDSON, Manager.****Guildhall Corrugated Paper Co.,**Guildhall Buildings, Navigation Street,  
**BIRMINGHAM.**Every Chemist should  
use**PRINTED GUMMED  
PAPER TAPE**instead of wax  
or string.Ask your Stationer for  
full particulars.**SAMUEL JONES & CO., LTD.**  
**LONDON.**



WE SOLICIT YOUR ENQUIRIES FOR:—

**OLIVE OILS**, finest cream edible B.P.  
**SALAD OILS**  
**PETROLEUM JELLY**, B.P., White and Yellow  
**TURPENTINE**, American Spirits and Substitutes  
**CASTOR OILS**, all grades  
**COLZA OIL**, finest and burning qualities  
**ROSIN**, all grades  
**LINSEED OILS**, Raw and Boiled  
**MINERAL OILS**, Bloomless "Lux" Brands  
**WHITE OILS**, Slab and Commercial  
**LUBRICATING OILS** of all descriptions

**JAMES ARNOTT & SONS, Ltd.**, Newcastle-on-Tyne and Cardiff.

Registered Offices: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

We offer

**WAXES**

**PETRO. JELLY**

**QUID PARAFFIN**

B.P.

**WHITE OILS**

Send us your inquiries.

**J. FRANCES & SONS,**  
LIMITED,

Southwark St., LONDON, S.E. 1.

## PAINTING MATERIALS

### Rayolene Black Japan

The ideal preparation for Cycles, Gas Stoves, Fire Ranges, Mail Carts, etc. etc. Guaranteed free from methylated spirits, and the same high-class quality as supplied to coach and carriage painters.

In Tins to retail at 10d., 1/6 and 2/10

### Rayolene Oil Varnish Stains

Far superior to the old quick-drying spirit varnishes and much easier to apply. Made in Oak, Walnut, Mahogany and Ebony.

In Tins, to retail at 10d., 1/6 and 2/10

**SPECIAL OFFER.** One box containing an assortment of above, your selection, sent carriage paid, for 54/- net; 3 boxes less 5% discount, one box contains 8 doz. 10d. size, or four dozen 10d., and two doz. 1/6 size.

### Rayolene Home Dyes

THE HOUSEHOLD FAVOURITE. For Wool, Silk, Cotton, or mixed goods.

To retail at 4d. and 6d. per packet.

Write for complete Price List of Paints, Varnishes, etc.

**TEXALO MANUFACTURING CO.**

Paint and Varnish Manufacturers,

**SOUTH SHORE, BLACKPOOL, LANCs.**

# Langley-Smith & Co.

Castor Oils, *Medicinal,  
Lubricating.*

Colza Oils, *Best Pure,  
Prepared.*

Linseed Oils,

*Best Raw,  
Double Boiled.  
Refined,*

Turpentine

*Best Pure Spirit*

Substitutes,

*Best Grade*

*Samples and Prices on Application.*

**14-20 St. Mary Axe  
London, E.C.**

Telegrams—"Tallowdom London."

Tel. No.—Avenue 20

**LINSEED OILS**  
RAW - BOILED - REFINED

**RUBY GREEN YELLOW**

**BRILLIANTINE  
OILS**

Any Quantity—from Stock.  
Wholesale Only.

**WM. BORTHWICK**  
1 and 2 Staniforth Place, HULL.

Telephone—Hull Central 4054Y (Trunk only).

**OLIVE  
OIL** **GENUINE**

and

**OLIVE OIL SOAP**

**LEON FRENKEL,**  
10 LIME STREET,  
LONDON, E.C. 3



# White & Half White Oils

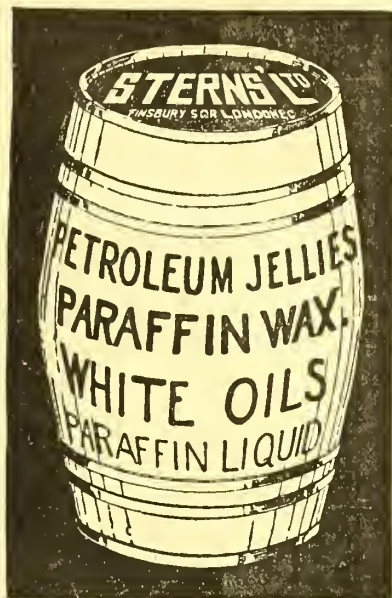
WHITE PETROLEUM JELLIES  
WHITE REFINED  
PARAFFIN WAXES

**HILTON RIDER & CO. LTD.**

Manufacturers, Importers, Exporters

Tel No. Hop 837 Gt. Suffolk House,  
" 2829

T.A. "Oilbird" Southwark, London, S.E.1  
Sed. St. London



**STERNS LIMITED**

A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone:  
3797 LONDON WALL.  
(Four Lines.)

Telegrams:  
"CENTUMVIR, PHONE, LONDON."  
(Two Words only.)

Francis F. Fox & Co. : Bristol

## OILS METHYLATED SPIRIT CHEMICALS DRYSALTERY

PRICES ON APPLICATION

TELEGRAMS—  
"FOX BRISTOL."

TELEPHONE—  
19 BRISTOL.

WRITE TO US FOR SAMPLES & PRICES  
OF  
**OLIVE OILS**  
**PETROLEUM JELLY**  
**ESSENTIAL OILS**  
**WAXES**

AND ALL DESCRIPTIONS OF OILS, DRUGS & CHEMICALS

**ROBINSON, THOMPSON & CO.**

22 DENMAN STREET, LONDON, S.E. 1.

Telegrams: "Fundless, Boroh, London."

Telephone: Hop 4307

**Wells' Removable Bung Pour**  
(PATENTED).

For emptying Casks without Pump, Tap or Stillage. Applied to and removed from any cask instantly. All waste and mess prevented. More rapid in action than a pump. Will fit any ordinary cask from 20 to 60 gallons.

Does not damage the cask.



**A. G. WELLS & CO.** 80 Midland Road, St. Pancras, N.W.1 **LONDON.**

TECHNICAL AND MEDICINAL  
WHITE OILS.

PETROLEUM JELLIES.

PARAFFIN WAXES.

NEUTRAL OILS,  
Debloomed and Undebloomed

PALE & RED LUBRICATING OILS  
CYLINDER OILS.

**W. J. SMITH,** SOLE EUROPEAN  
REPRESENTATIVE

**THE JAMES B. BERRY'S SONS CO. L.**  
110 Cannon Street, London, E.C.4.

**"LANZONE" BRAND LANOLIN B.**

IMMEDIATE DELIVERY  
FROM STOCK.

**THE PRODUCE BROKERS CO., Ltd.**

24-28 ST. MARY AXE, E.C.3.

TELEPHONE: AVENUE 3410 (9 Lines).

TELEGRAMS: "SYNTAX LONDON."



# GELATINES

FINE LEAF GELATINE  
PURE CALF

**"ALBION" BRAND**

(In 1 lb. Packets.  
112 x 1 lb. Packets to Case.)

MADE IN ENGLAND.

FINE CRYSTAL GELATINES.  
PURE SKIN GELATINES.  
POWDERED GELATINES.

*Samples on application from*

**OURY, MILLAR & CO.,**

Telegrams:  
"OLMENTH,  
LONDON."

9 Mincing Lane,  
LONDON, E.C.

Telephone:  
4978 AVENUE.



### The Quenchers' Message THIS WEEK.

"Mr. Violiv has only given us half-a-page for our 'chatter.'"

"Our message, therefore, must be brief, and to the point. It is this:

## Quencholeen Lemonade

*'The perfect Summer Drink'* is being booked so rapidly that all orders now must be executed in rotation.

"We ask you, Mr. Retailer, to write early, so that YOUR order will be executed before the Summer suns 'thirst-up' the public palate and force them to seek relief in our irresistible mingle.

*"So book us now — we'll keep the cash-till ringing! There's over 50% Profit in it for you."*

**VIOLIV MANUFACTURING CO.**  
26 Haymarket Terrace, EDINBURGH.

Selling Agents for England, Ireland & Export:  
**PATTINSON & MACKIE, Ltd.**  
Albion House, 59 New Oxford Street  
LONDON, W.C. 1.

V20

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## LOSALL'S SALT

**SELLS FREELY & READILY**

**PAYS 50% ON OUTLAY**

*An Infallible  
Remedy for*

**GOUT,  
RHEUMATISM,  
ECZEMA,  
and  
SKIN  
AFFECTIONS.**

P. A. T. A.	Doz.
4 oz. Tins	1/- 8/- net
8 oz. Tins	1/10 15/- "
Bottles	2/6 20/- "

*The only line of its  
kind on the market.*

**SOLD  
EVERYWHERE.**

Manufactured by  
**LOFTHOUSE & SALTMER, Ltd., HU**



**ALL CHEMISTS  
SHOULD STOCK**

**ABDINE**

**THE GOLD MEDAL FRUIT DRINK.**

Quick Seller. Big Profits. Over 40 Years Reputation.  
"Abdine" is the most popular Health Drink, superior to all other  
Waters. Sold in Packets, 2d. each.

Wholesale Prices on application. Sample Box 1/6.

B. MCCLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

## PIPES AND SMOKERS' REQUISITES

*Price Lists on Application.*

**HARWOOD BROTHERS,**

BRIAR PIPE MANUFACTURERS,  
8/20 Richmond Street, LIVERPOOL.

## Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASES.
108 galls.	54 galls.	27 galls.

**STRENGTH 17°**

**James V. Oldham**

19 St. Dunstan's Hill, London, E.C. 4.

Telephone: Avenue 3013.



CONTRACTORS TO H.M. GOVERNMENT.

FOR MORNING ROUSER

# ACETIC ACID

Canadian  Product.

SPOT & FORWARD DELIVERIES.

PURE, for edible purposes 80%  
PHARMACEUTICAL grade,  
water-white, 99/100 %  
GLACIAL Acid 98/100 %  
TECHNICAL Acid 80%.

STOCKS HELD IN LONDON  
AND LIVERPOOL.

SPECIAL GRADE for RUBBER  
INDUSTRY.

*Packed in Demijohns.  
Direct Shipment.*

## A. Boake, Roberts & Co., Ltd.

*Manufacturing Chemists,*  
**Stratford, London,**  
**E.15.**



TRADE MARK.

## R. J. FULLWOOD & BLAND ANNATTO RENNET

"Oleo" and "Sunbeam" Butter  
Colouring. Rennet Powder,  
Essence of Rennet, Junk  
Tablets.

RENNET WORKS, ELLESMERE, SALOP.

Offices:

31, 33 and 35 Bevis Street, H  
LONDON, N.

## Extract of Malt

and

## Cod Liver Oil

IN BULK, JARS OR TINS

Prices on application.

THE  
**BRITISH DIAMALT CO.**  
BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR  
                  { H. D. & C. T. TAYLOR



# Four bottles of Osmos FREE!

As a part of the great Osmos advertising campaign now in operation throughout the country, and as a special inducement to chemists to secure the utmost benefit from the rapidly growing demand for this British Medicinal Water, the proprietors offer **FOUR BOTTLES FREE** to chemists ordering one dozen. The condition is that Osmos is displayed in their window until their order is sold. Retailers who are displaying Osmos greatly appreciate the concession and are benefiting accordingly.

*Osmos retails at 2/6 (P.A.T.A.)*

# Osmos

The Great British  
Aperient Water

Trade Terms :  
22/- per dozen bottles  
Carriage Paid.

Osmos, Crown Wharf,  
Hayes, Middlesex.



## MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

*Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.*

Telephones:  
11-Pollokshaws 14  
11-Avenue 5661  
(3 lines).

## PERRY & HOPE, Ltd.

Telegrams:  
"Perryope, Nitshill."  
"Perryope, Led,  
London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

# VITMAR

THE NEW FOOD FOR GROWING CHILDREN  
is now in great demand

CHEMISTS CAN OBTAIN IT  
FROM THEIR WHOLESALERS

## RETAIL PRICE

2/3 per jar

4/3 " "

8/- " "

## WHOLESALE PRICE

21/7 per doz.

40/9 " "

76/10 " "

Manufactured by

# CALLARD & CO.

CALLARD, STEWART & WATT, LIMITED,

*Food Specialists,*

74 REGENT STREET, LONDON, W.1.

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.3.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.  
FOR QUOTATIONS apply to—

## PRESTON'S LIVERPOOL DISTILLERY CO., LD.

The Largest Makers in the United Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India St., Liverpool.



**LIQ. SANTAL FLAV.**  
**C. BUCHU et CUBEBA**

(Hewlett's)

Packed for dispensing only,  
in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

*The Practitioner.*

**VIROPHOS**  
TRADE MARK

Of proved utility in Nervous Diseases,  
and a powerful Restorative for the  
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/- per doz.
" 2.	3½ " " ...	14/6 " "
" 3.	6½ " " ...	24/- " "
" 4.	13 " " ...	42/- " "

**MIST. PEPSINAE CO.**  
**C. BISMUTHO**

(Hewlett's)

Packed for dispensing only,  
in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

*British Medical Journal.*



Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.



50% Profit-Maker  
P.A.T.A. Line  
Always British  
Regularly Advertised  
Repeat Seller



## A Five-Fold Factor

*See these Five Profit Points about*

# Sanagen

**THE BRITISH NERVE FOOD**

1—A 50% PROFIT MAKER—as shown by this table of sizes and prices.

4 oz.	8 oz.	16 oz.
Cost 2/-	Cost 3/4	Cost 6/4
Sells 3/-	Sells 5/-	Sells 9/6
Profit 1/-	Profit 1/8	Profit 3/2

2—A P.A.T.A. LINE—with more than the average profit percentage.

3—ALWAYS BRITISH—and by analysis superior to products of alien origin.

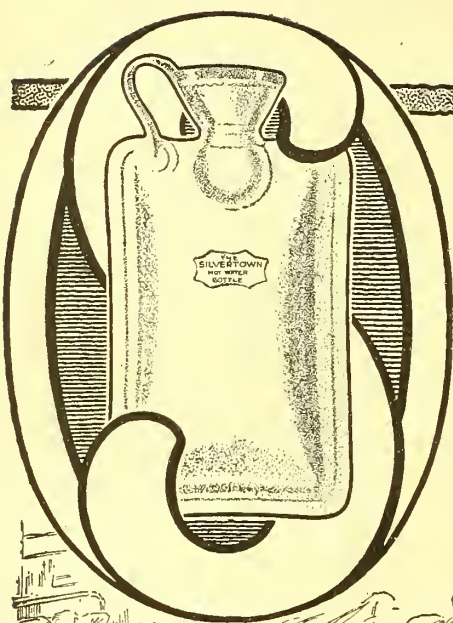
4—REGULARLY ADVERTISED in all the leading Daily and Nursing papers, which bring sales to the Chemist stocking SANAGEN.

5—REPEAT SELLER. SANAGEN is a continuous selling line. Don't lose the opportunity of making First and Repeat Sales of SANAGEN. Order some from your Wholesaler.

*Sales-Aiding Literature, etc., willingly supplied on request to*

**SANAGEN COMPANY LIMITED,**  
Sheepcote Lane, Battersea, London, S.W. 11.

Telephone : Latchmere 4363.



## 'Silvertown Quality' in Hot Water Bottles

The name of "Silvertown" has acquired a reputation for sterling quality and reliable service. If your customer wants a high-grade bottle, show him a

# Silvertown

Made in the usual standard sizes. Please send us your inquiries. Customer's name lettered free on all bottles when not less than three dozen assorted sizes are ordered at the same time.

The India Rubber, Gutta Percha & Telegraph Works  
(The Silvertown Company) Co. 1

HEAD OFFICE  
106 Cannon St., London, E.C. 4.

WORKS:  
Silvertown, London, E.

## RUBBER CORKS IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab	Drab
	Ammonia Proof.	Acid Proof.
Prices for 8-oz. Bottles ...	3/3	4/3 per gross
" 16-oz. " ...	4/9	5/9 "

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for  $\frac{1}{2}$ -gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of  
the Best Quality for Laboratory use.

*Inquiries Solicited.*

## Garden City Rubber Company

Manufacturers of all Rubber Specialities  
for Medical, Chemical & Laboratory use,

Letchworth, Herts.

Telephone: Letchworth 54. Telegrams: "Rubber Letchworth."

## VINCENT WOOD For British Made



Trusses, Belts,  
Suspensories,  
Elastic Hosiery,  
Webbs & Surgical  
Appliances.

Purchase no German  
Goods, and from  
British Firms only.

Victoria House, 91/93 Newington Causeway, LONDON, S.E.

## DOUCHE CANS, Enamelled Iron ENEMAS in great variety.

THROAT BRUSHES.

CAMEL HAIR PENCILS.

WHIRLING SPRAYS.

CELLULOID EYE SHADES.

CATHETERS—Elastic, Gum and Rubber.

Contractors to India Office, War Office, Admiralty, &c. &c.

E. BRASSE, Culvert Works,  
South Tottenham, N.15.



*The Brand "Ingram's London" is a Guarantee of Quality.*

The India Rubber Hot Water Bottle with a reputation for Reliability, Perfect Construction, and Adaptability to all Conditions.

INGRAM'S

*Eclipse*  
REGD

HOT WATER  
BOTTLE



Fitted with a Washer that cannot be lost, and made with a Neck that cannot Leak.

*Obtainable through all  
Wholesale Houses.*

SHOWCARDS FOR CHEMISTS.

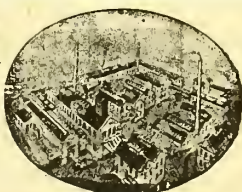
A supply of neat Showcards for window or self display, 6 $\frac{1}{4}$ " by 5 $\frac{1}{2}$ ", will be sent on application.

J. G. INGRAM

THE LONDON INDIA

Established 1847

HACKNEY WICK, E. 9.

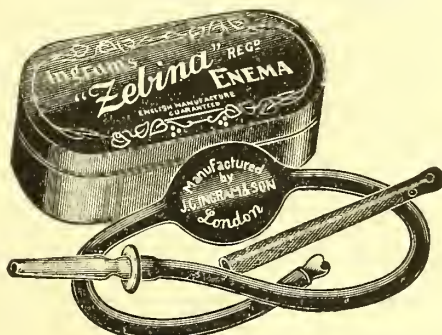


INGRAM'S

BRITISH-MADE

Seamless  
ENEMAS

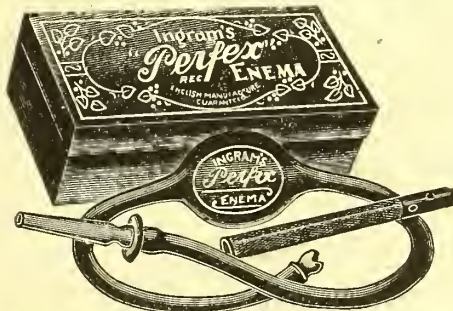
THE "ZEBINA" ENEMA (Regd.)



Guaranteed Not to Split (Ordinary Bulb).

Practical Workmanship. Perfect Construction.  
Fitted Complete with Bone Rectum and Gum Vagina Pipe and Leather Shield, and packed in an attractive Card Box.

THE "PERFEX" ENEMA (Regd.)



A Reliable Quality Seamless Enema (Ordinary Bulb).

Perfectly Safe. Perfectly Hygienic. Fitted Complete with Bone Rectum and Vagina Pipe and Leather Shield, and packed in an attractive Card Box.

& SON, LTD.

RUBBER WORKS,

Telephone: 1406 East,

LONDON, ENGLAND.



# "NORVIC" CRÉPE BANDAGE

(REGD)

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

The NORWICH CRAPE CO. (1856) Ltd. (ST. AUGUSTINE'S), Norwich, Eng.  
SILK MILLS

Provincial Selling Agents, **Freese & Moon, Ltd.**, 59 Bernmndsey Street, London S.E.1.  
London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 7 Waul Exchange, E.C.2

"The  
Norwich'd  
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## Belladonna Plasters. Breast Plasters

Attractively wrapped, best quality, readily saleable.

Breast Plasters are shaped and have small unperforated margin.

ZÖPLA (Zinc Oxide Plaster) in small attractive tins in three colours.

Also on spools and in rolls. *The most popular Strapping.*

Strengthening, Corn and Bunion, Mustard, Rubber Adhesive  
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—Yes! RIGOLLOT'S  
Mustard Leaves

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The original and only genuine.

Of all Chemists and Stores in

7d. &amp; 1/- packets &amp; 1/7 tins.

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## FOOT TROUBLE

such as Corns, Bunions, Callouses on the Soles,  
Flat Foot, Cramped Toes, &c., are increasing  
prevalent owing to unaccustomed War Work.

**Dr. Scholl's**  
Foot Comfort

are the result of years of experience devoted to the treatment of Foot Ailments by Dr. Scholl, and are to-day recognised the most perfect corrective devices on the Market. They are in constant demand, and all Chemists will find it profitable to stock them.

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GOOD SELLING LINES, GOOD PROFIT  
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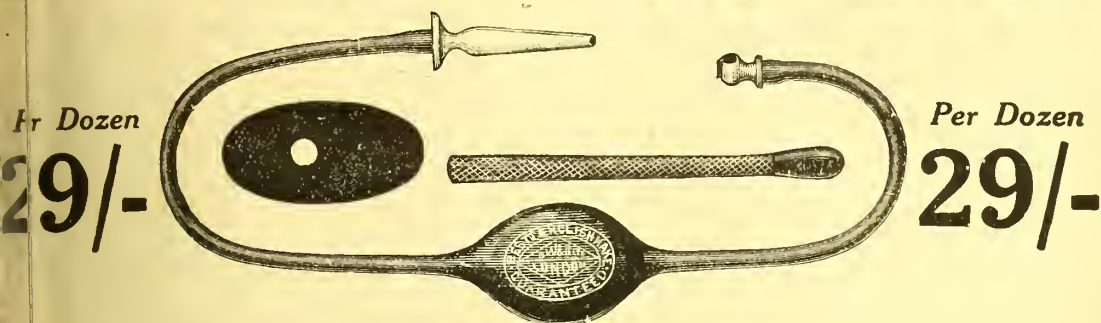
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Per Dozen  
**29/-**

Per Dozen  
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## GUARANTEED FOR 2 YEARS.

No. 987.—The "B.E.M." (best English make)	with bone rectal pipe, etc., complete in superior card box, per doz.	s.	d.
"	in leatherette dome-top case	29	0
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SPECIAL LINE.—Stout unpolished red rubber, in card box	...	33	0

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Bathing Caps, Belts, Casters, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Splints, Sponge Bags, Trusses, Water and Air Bed Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

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Robber, Helmet Shape, Stockinette Band, 26/8 doz.  
Circular 16/8 ..  
Fancy Patterns 14/-, 16/-, 21/9, 28/-, 31/6, 40/- doz.  
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Place a 'BETTERWAY' Assistant  
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Size 2 and 3 only.  
At 7/6 dozen.

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At 10/- dozen.

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Other fancy lines also in stock.

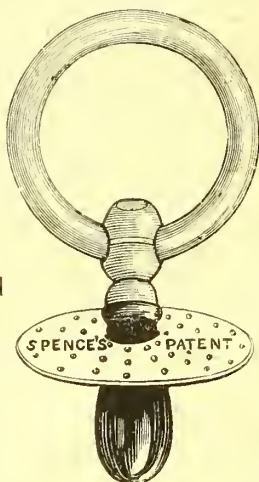
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Stocked in  
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A Limited Consignment

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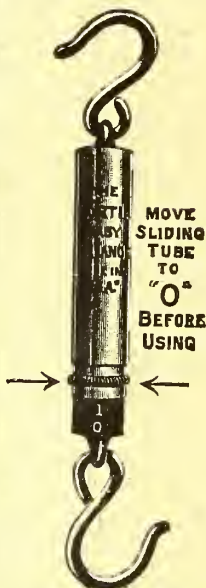
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Weights up to 15 lb.

Price	Retail
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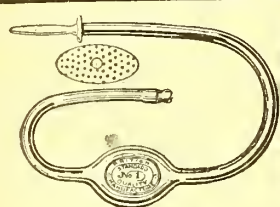


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Obtainable through all Wholesale Houses.



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Whirling Sprays and  
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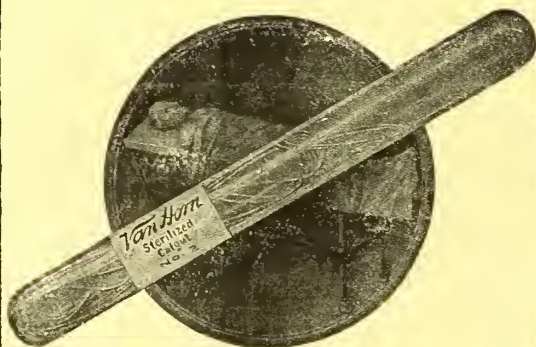
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Not “good enough,” but the best from every standpoint—alone assures that degree of “Catgut Safety” demanded when the patient on the table is “one of my own family.”

Only on this peculiarly personal basis is

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**K-Y Lubricating Jelly**  
An Ideal Emollient.

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**SPHAGNUM.**—The Turf Moss is the *most absorbent* and generally useful surgical dressing. It absorbs twenty times its weight of moisture.

As compressed by us in sheet form it is pre-eminently convenient. The sheet may be used as it is, or loosely crushed and placed in extemporaneous muslin bags.

The moss in this form swells up at the moment the moisture comes in contact with it, and the dressing so formed is *resilient, spongy, and comfortable* to the patient.

Being compressed, it is ideal for storage and transit.

SAMPLES AND PRICES AT YOUR DISPOSAL

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(Sets of three parts)

**Whirling Spray Canisters**  
(Best French Make).

Can be obtained from stock at very reduced prices.

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**BONE SOOTHER MOUTHS  
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**SAFETY RAZORS and BLADES  
TOOTH BRUSHES, &c. &c.**



A sample collection of the most popular lines will be sent on application. This may be examined at your leisure and the whole or any part returned at your convenience.

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**The Torture of the Boot**  
is not confined to the mediæval ages—every man or woman who suffers from corns knows that it is a very real torture of to-day. But why suffer corn torture when you can free yourself of the most stubborn or painful corn—hard or soft, of new or long standing growth, by just a few strokes of



**“MOOVIT”**  
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**CORN PENCIL**

Over 200,000 customers have obtained permanent foot-ease with this easily applied remedy. Price 1/3; post 1/4. Nothing is “just as good”—insist on “Moovit.”  
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# Your Business advertised FREE for 12 months

You want more Customers—You want more Sales—and the profits they bring you. You profits on corn cures are limited. You can't sell more cures without some inducement to bring in more buyers—new customers. During the next few weeks we want to appoint a sole agent in every town.

## OUR “MOOVIT” CORN PENCILS WILL SELL THEMSELVES.

They are attractively packed in display boxes, with striking posters, dummies and advertising matter. Unless you want your competitors to reap the harvest of the Campaign send your order with cheque £5 14s. to-day. Goods carriage paid.

### A BUSINESS PROPOSITION

Sell 12 doz.	“MOOVIT” CORN PENCILS	at 1/3	-	£9	0	0
Cost	-	-	-	9½d.	-	5 14 0
		Profit	-	£3	6	0

We guarantee to insert fifty-two weekly insertions of a 2-in. illustrated advertisement of “MOOVIT” Corn Pencil in your Local Paper, with your name inserted as Sole Selling Agent. We will guarantee to buy back all unsold Corn Pencils on your shelves or in your stock-room at the end of the season, if you feel that you cannot dispose of them.

**TALBOT WILSON** (Howard, Stevens & Co. Ltd., Proprietors)  
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## IMMEDIATE DELIVERY



There's  
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for you in  
**SORBO**  
**SPONGES**

**S**ORBO SPONGES look exactly like the finest quality natural sponges, but are made of pure rubber manufactured by a secret British Process.

There are no other sponges—natural or artificial—to equal Sorbo Sponges—repeat orders from all parts of the world prove this to be so.

Thousands and thousands of pounds are being spent this year to advertise Sorbo Sponges and create a national demand for the finest rubber sponge in the world. Week after week, sales of Sorbo Sponges will go up and that increased trade will be permanent. It will certainly pay you to order your stock *now*, so that you can benefit by the big demand *from the very first*.

*Send a trial order to-day and display Sorbo Sponges. A parcel of three dozen assorted sponges will show you 33½% profit.*

**YOUR WHOLESALEERS CAN SUPPLY**

**Sorbo sponge**

**THE MOST ABSORBENT RUBBER SPONGE**

Protected Retail Prices:

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You cannot do better  
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## BOTTLE CAPPING SKINS

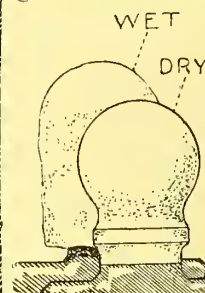
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PROMPT DELIVERY

SAMPLES AND PRICES ON APPLICATION.

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ONE GOOD TURN  
DESERVES ANOTHER  
If you just slip a wet

## SEMREH BOTTLE CAP

over the stopper of a  
bottle. In a few hours  
it will turn into an  
elegant capping—SEL-  
FIXED.

Details from  
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### UNSOLICITED TESTIMONIAL.

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You recently executed for us "Special Display Card  
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They are attractively written and possess real pull  
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Faithfully yours, WM. THOS. DAWSON

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the never-failing remedy for DOUBLE CHIN  
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Other specialities are Thinulene Cream, Thinulene  
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EVERYTHING QUITE NEW. These Skins are  
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AS OPAQUE as Split Skins and equal in appearance.

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TRANSPARENT SHEEP BAUD-  
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In addition to White Flint and  
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CLASS MEASURES

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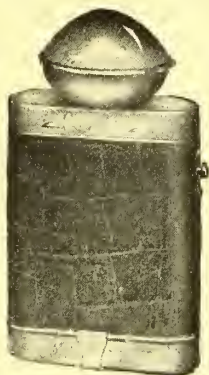
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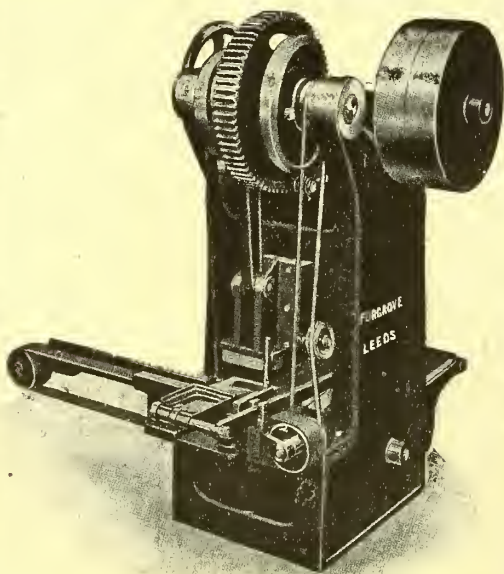


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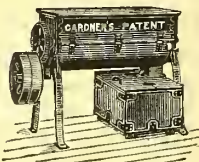
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**OVER 6,000** working  
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POWDERS are Sifted  
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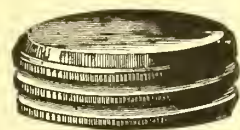
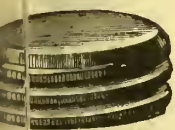




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For Artists' Colours, Tooth Pastes, Lanoline, &c.



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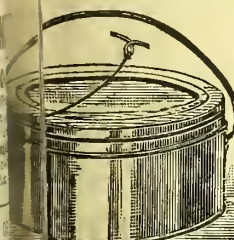
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6 Mersey Street,  
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Manufacturers  
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**TIGHT SEAMING &  
VARNISH BOTTLES  
A SPECIALITY.**



*Tight Slip-lid Tin  
For Export.*

*Prompt Deliveries Assured.*

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CLEAR BLUE TINTED, plain or graduated.  
3 and 4 ounce. 6 and 8 ounce.  
12 ounce.

WHITE PHIALS, plain or teaspoons.  
1/2 ounce, 1/4 ounce.  
1 " 2 "

BLUE LOTION BOTTLES, all sizes.

CORKS. Superior Quality.

6 and 8 ounce ... 1/6. per gross, in 6 gross bags.  
Vials ... 1/- per gross, in 6 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

**I. ISAACS & CO.,** Glass Bottle Manufacturers

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Orders sent to either establishment have attention.  
Established 100 Years.

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Lowest  
Market  
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## "Corruganza" SEAMLESS Ointment Boxes

Have replaced the old  
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Being moulded in one  
piece, the bottoms can-  
not fall out.



GREASEPROOF.

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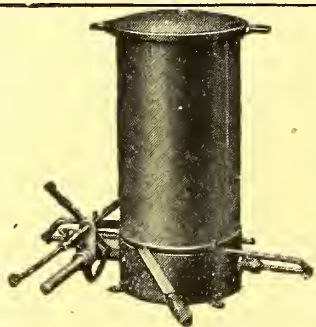
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Tube Filling Machine for semi-liquids.

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for Filling Bottles, Collapsible Tubes,  
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1 1/2 Power Tube Closing Machine

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Designed to combine  
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HIND & LUND, LTD.,  
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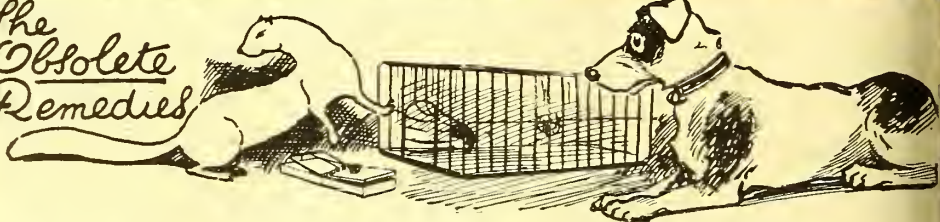
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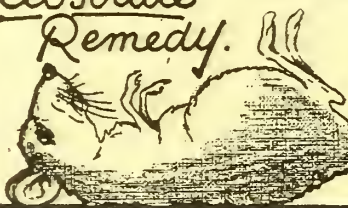


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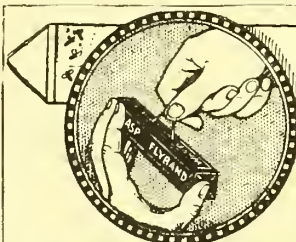
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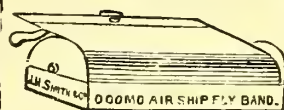
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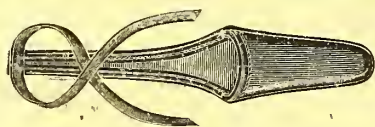
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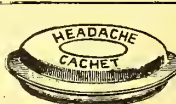
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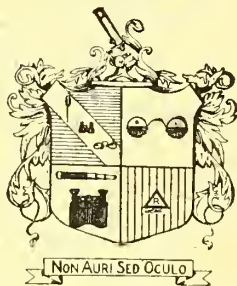
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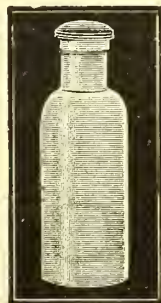
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2 CANNON ST.  
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MAY 8, 1920

*Supplement is inserted in every copy of The Chemist & Druggist*

## THE CHEMIST AND DRUGGIST SUPPLEMENT REVISED ADVERTISEMENT TARIFF.

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**OPEN: 6/- for 40 words; every additional**  
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**spaced announcements, 1/3 per nonpareil line (12 lines=**  
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**EXCHANGE COLUMN (for Retailers, etc.). Two-**  
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replies may be addressed to a registered number or non-de-plume, c/o this Office, at a charge of 1/- extra for each

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Our object is to emphasise the necessity of a periodical Statement of Account, by which means alone Profit, the  
true basis of business, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often  
omitted and eventually becomes the cause of confusion and loss.

We are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

# BERDOE & FISH

**VALUERS & TRANSFER AGENTS**

**35 Jewry Street, Fenchurch Street, E.C. 3.**

Telephone: 1809 CENTRAL.

## NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—Small progressive Wholesale and Manufacturing Business, chiefly own Toilet Preparations; Packed Goods and Sundries; returns about £6,000, at good profits; books open to every investigation; plenty of scope for further extension; modern, well-equipped factory, offices, and showrooms; price, including book debts, £3,800; or partner with £2,500 entertained.

2.—LONDON, E.—For quick disposal, very profitable light Cash Retail Business, entirely under manager; returns average £25 weekly; plenty of scope; low rent; on lease; good working stock; price £400.

## INTENDING VENDORS

We are in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £300 to £3,000.

*Established 1870.*

## FOR SALE.

6s. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

CHEMIST'S Wall Fitting (Mahogany), about 9½ feet long and 9 feet high, fitted with fifty-seven drawers and six bottle lockers, and with or without shop rounds; also 1 mahogany "dispensing department" case, 6 feet long and 3 feet high; also Mahogany Desk and Case combined; all offered cheap. M. Grayson, opposite Station, Hartlepool.

5 CWT. Powdered Curd Soap for Disposal in 7-lb. boxes; what offers? Cave, Chemist, Dovercourt.

20 DOZ. Clinical Thermometers, in nicked cases; magnifying lenses; stamped and tested: 23s. per dozen, carriage paid. Pattinson & Mackie Ltd., Albion House, 59 New Oxford Street, W.C. 1.

## PARTNERSHIPS.

YORKSHIRE house open to consider active Partner, thoroughly acquainted with Sundries and Packed Goods; travelling experience essential; capital required about £2,000. Full particulars, in confidence, to "Progressive" (101/5), Office of this Paper.

WANTED, a gentleman accustomed to good-class Retail and Dispensing business and to supplying the various wants of Doctors, who has energy and a fair amount of capital, to join in the conduct and extension of a well-established business. Apply 102/21, Office of this Paper.

## APPRENTICESHIPS.

A VACANCY occurs in a healthy residential suburb of London for a well-educated youth as Apprentice to Pharmacy; every encouragement will be given to diligent youth, and good prospects are assured. Apply 103/36, Office of this Paper.

# BRETT & CO

**Transfer Agents & Valuers**

**75 LAUREL ROAD, LEICESTER**

Telephone: 1934.

£2,370 RETURNS, LARGE LANCASHIRE Town, Light Retail; old-established; price £1,000.

£1,200 RETURNS, LARGE TOWN, YORKSHIRE, £375; Light Brisk Retail; good opening for Optician; price £600.

**PARSON C. BAKER** Ph C., Ph D., 4 Cyprus Road, Leicester.

**Wm. ROOKE ROBERTS,** 174 Victoria Street, S.W. 1. Tel.: Victoria.

Valuers for Purchase, Sale, Probate, Income Tax, Bankruptcy, etc. Recommended by The British Drug Houses, Ltd., Messrs. Barclay & Sons, Ltd., and many other leading sale Houses. Valuers to the Association of Manufacturers.

## AGENCIES.

6s. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies sent to the Office, and forwarded on payment of an additional charge.

## SHADFORTH PRESCRIPTION SERVICE.

are establishing sole district selling agencies for their goods, in London and the provinces. Chemists who desire to co-operate with us for their districts can obtain full particulars from 19 Southampton House, 317 High Holborn, W.C. 1.

A LONDON firm of importers of high-class French well-introduced Agent for London and provinces, mission allowed. Write, stating experience, to E. 37 Walbrook, London, E.C. 4.

A WELL-ESTABLISHED house in Switzerland the Agency of a good English firm; can supply. Write to G. Rossel, Uzwil, Switzerland.

AGENTS and Travellers wanted; London and British new side-lines; commission basis; excellent connection necessary. Apply P.C.B. 64/23, Office of this Paper.

AGENTS required for new side-lines which are advertised; excellent opportunity for men upon Chemists; liberal commission. Write, covered, to 79/1, Office of this Paper.

AGENTS wanted for well-advertised Proprietary and country; favourable terms. Apply to this Paper.

REPRESENTATION in Lincolnshire and East of England. Gentleman, motoring through above territory, his services to Wholesale Drug house on commission and intensive cultivation of territory guaranteed. already represents well-known Proprietary house to take on extra work. "Chemicals" (102/23), Office of this Paper.

TRAVELLER, resident in Glasgow and travelling land regularly, with excellent connection of Stores, Wholesale and Retail, desires Sole of first-class standing; Proprietaries, Drugs, Perfumes, or any line possessing merit and possibility given to high-grade articles; pioneer work arrangements might be made. "Lux" (103/36), Office of this Paper.



**LEGAL.**

**HIGH COURT OF JUSTICE IN IRELAND.**

**CHANCERY DIVISION.**

**Master of the Rolls 1920 No. 370.**

**MATER OF**

**UNION LONG & COMPANY LIMITED AND  
REDUCED,  
and**

**MATER OF**

**COMPANIES (CONSOLIDATION) ACT 1908.**

**IT IS HEREBY GIVEN** that a Petition was presented to the 30th day of March 1920, presented to the Master of the Rolls in Ireland by the above-named Company to confirm a Special Resolution of the Company duly passed and confirmed which Resolution was as follows:—

The Memorandum of Association be altered in the following manner:—

The following clauses shall be inserted after Clause IV., namely:—

"To letting at a rent, percentage on profits, commission or otherwise, the undertaking of the Company or any part thereof for such consideration as the Company may think fit and to receive payment thereof by instalments or otherwise."

"To receiving and taking apprentices within the meaning of the Pharmacy Acts (Ireland) and for the purposes thereby authorised."

**IT IS FURTHER GIVEN** that the said Petition directed to be heard before the Right Honourable The Master of the Rolls on Tuesday the 2nd day of May 1920, and any creditor of the Company to oppose the making of an Order for the confirmation of said Resolution should appear at the said hearing by himself or his Counsel for the Company. A copy of said Petition will be sent to any such person requiring same by the said Solicitors for the Company on payment of the usual charge for same.

28th day of April 1920.

**HAYES & SONS,**

41 & 42, Nassau Street,  
Dublin.

Solicitors to the said Company.

**BUSINESSES WANTED.**

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/6.

Persons in position to purchase at once a good-class business in the south of England town, seaside or country, doing over £4,000; modern living accommodation, and in selected business not refused if promising. Send evidence to "Aspirin" (100/23), Office of this Paper.

MR. P.S. desires sound Business, with house; not less than £500; not London. P.C.B. 65/39, Office of this Paper.

Pharmacist wishes to purchase a Business in a good town of England market town; business to be capable of £500 per annum; effort; neglected business not objected to; cash available; cash payment for right offer. Apply to "Nef" (102/35), Office of this Paper.

Retail and Dispensing Business wanted, about 20 miles from London preferred, with good house at least £1,500 to £2,500 per annum; cash ready. "Nef" (102/35), Office of this Paper.

Persons desire to purchase a sound, substantial Business in the North-East of England; cash available; or would accept partnership with a view to ultimate succession. Particulars, to 104/17, Office of this Paper.

Businesses wanted; part cash immediately, remainder by instalments. Must bear strictest investigations. State full particulars. P.C.B. 64/39, Office of this Paper.

**SMALL Drug Stores** wanted; London or suburbs; lock-up shop in working-class district preferred; send full particulars, which will be treated in strict confidence. Apply 102/25, Office of this Paper.

**SMALL Wholesale Druggist Business** required in London district as going concern, or control would be considered. Apply P.C.B. 62/9, Office of this Paper.

**WANTED**, information re good position for opening good-class Pharmacy (£25 if satisfactory and acted on), or to purchase genuine Business in good market town; good house if possible; turnover about £1,500; no agents. Full particulars, first letter, 102/18, Office of this Paper.

**WANTED**, a sound Business, suitable for unqualified (immediately), with living accommodation; cash available £700; please give particulars, etc.; replies treated in strictest confidence; cash ready. Apply 103/37, Office of this Paper.

**BUSINESSES FOR DISPOSAL.**

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/6.

**KENT**.—For Disposal, in nice suburban district, genuine Retail and Prescribing Business; returns last 12 months £2,163; rent £60; lease; convenient house, with nice garden; good reason for disposal; price £900. Apply 102/26, Office of this Paper.

**LANCS**.—Popular Seaside Resort.—Pharmacy, returning over £1,900, with scope for increase; net profits between £450-£500 per annum; living accommodation attached; price for quick sale £950. Address "Apex," c/o Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

**LANCASHIRE (WEST)**.—First-class Dispensing and Retail Business in high-class residential district; well-fitted shop, well stocked; pair of dwelling-houses attached; private entrance; price for lot, including property, £4,000. Apply 104/330, Office of this Paper.

**LONDON, N.E.**—Old-established Retail and Dispensing Business (N.H.I. and Private); large commanding corner premises, in pleasant position; returns exceed £3,000; general middle-class trade, with Photographic, having no immediate opposition; fully stocked; nine-roomed house, well decorated, with cellars and store-rooms; fitted with electric light and having radiators fitted to three rooms and shop; rental £55 per annum; on lease; ill-health sole cause of sale; price £2,000. Apply "Statim" (104/15), Office of this Paper.

**NORFOLK Village Pharmacy**; unopposed; good general Business, with Photography, N.H.I., and a little Dental and Optical work; short lease; price £250 inclusive; near sea, yachting district, and station. Apply 103/400, Office of this Paper.

**WEST LANCASHIRE**.—Toilet Specialist and Perfumer; first-class Ladies' and Gentlemen's Business; heavily and choicely stocked; first-class, up-to-date fittings; turnover over £3,000. Apply 104/33, Office of this Paper.

**A PROGRESSIVE Chemist and Optical Business**; returns over £50 weekly; low rent; long lease; short hours; good position in small market town (Devon), with living accommodation; for health reasons will exchange above Business or buy a Business (larger or smaller) in good-class, thriving town, with good house accommodation or private house available; a trial exchange suggested. "F.S.M.C." (105/8), Office of this Paper.

**FOR Sale** (owner retiring), large old-established Chemist Business combined with News Agency, in a large mining and farming district in Monmouthshire; large and good house can let or sell (freehold); splendid opening for Optical and Dentistry work could be added, with good scope for Dispensing; Doctor's Surgery close by; turnover for last three years average £2,000 nearly; can easily be doubled and more by a smart registered man; now well stocked; possession soon. In first instance address "B. T." (73/23), Office of this Paper.

**HERBALIST** (practical); 12 years at last year's profits, £360 all at; shop, house, 5 rooms, 2 basements; rent 15s. 3d. weekly inclusive; willing to coach buyer for, say, 3 months; will sell furniture if desired; numerous country clients. Medlicott, 49 Rossington Street, Upper Clapton, London.

**MANUFACTURING Business**; old established; proven valuable; Formulas, Proprietary Medicines, Toilet Preparations; Headache Powders, Packed Pills, Spa Salts, Ice Cream, Custard Powders, Lozenge Tablets; sugar allotment ton monthly; connection Chemists, Grocers, Confectioners, England, Wales; capable of great extension; disposing owing to ill-health; price £3,000; bankers' references required. "Prosperous" (102/12), Office of this Paper.

**OLD-ESTABLISHED** Agricultural and General Business for Sale, North of Trent; Business is a growing one, and offers splendid facilities for development; sole cause of sale, health account; turnover steadily increasing, and offers splendid opening to right man; well stocked and fitted, and in best position; good house; turnover will exceed £3,000 this year; cash buyers, only £1,850. Lex (105/4), Office of this Paper.

**RETURNS £1,700** (increasing); unopposed Light Retail and Dispensing Business in Surrey; owner retiring; excellent opening for Dentistry and Optics; Pharmacy well fitted and heavily stocked; rent £50; on lease; convenient house, property of owner; price £1,000, or goodwill and valuation terms; Banker's reference required. "Statim" (102/5), Office of this paper.

## SITUATIONS OPEN.

### RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

**BLACKPOOL.**—Junior wanted. Full particulars as to salary, age, and references to Greenwood, 38 Central Drive, Blackpool.

**BRIGHTON.**—For high-class Retail and Dispensing business, young qualified Assistant; single; good Dispensing experience an essential; please give usual particulars in first letter and enclose photo (to be returned). Parris & Greening, 105 Church Road, Hove.

**EASTBOURNE.**—Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

**LONDON.**—Qualified Manager required for Light Retail and Dispensing business; an excellent opportunity for a man of energy and resource; salary and commission on profits. Apply 73/7, Office of this Paper.

**LONDON, N.**—Qualified Locum, four weeks June or July; light, suit elderly Chemist. State age, salary, date available, to R.C.B. 65/3, Office of this Paper.

**LONDON, N.W.**—Assistant wanted at once; Junior or good Improver will suit if sufficient knowledge of the business; time off by arrangement if required; personal application preferred; state wages required and experience. Young's Drug Stores, 108 Seymore Street, Euston Square.

**LONDON, S.W.**—Manager, qualified, wanted immediately for Light Retail and Dispensing business; young and capable. Apply, by letter, to W. T. H., 603 Fulham Road, S.W. 6.

**LONDON, W.C.1.**—Wanted, at once, a smart Assistant (married); one with West-End experience preferred; Counter and Dispensing. Apply 105/7, Office of this Paper.

**MANCHESTER, near.**—Wanted, a smart qualified Manager for Branch; must be quick and reliable, not afraid of work, and used to N.H.I. Apply, stating age, experience, and salary required in first letter, enclosing photo (to be returned), to 104/34, Office of this Paper.

**MANCHESTER.**—Reliable, unqualified Assistant required for good-class Pharmacy. Apply, with full details, to "Rex" (102/10), Office of this Paper.

**NORTH LONDON.**—Young lady Assistant required for Dispensing and Light Retail; please state experience and salary required. C. S. Addison, Chase Side, Old Southgate, N. 14.

**NORTH STAFFS.**—Qualified Assistant (outdoors), for quick Cash trade; good Salesman, with knowledge of Photography essential. Full particulars, with photo if possible, and salary required, to Oxens Ltd., Bridge Street, Newcastle, Staffs.

**RHYL, N. WALES.**—Wanted, at once, Assistant (outdoors) for a seaside-resort business; must be reliable Dispenser and good Counterman. Full particulars, Gratton, Chemist.

**YORK.**—Temporary outdoor Assistant, unqualified, experienced in good-class Counter and Dispensing, required for one month, to commence about June 1st. Applicants please give full particulars in first application to "R. M." (106/4), Office of this Paper.

**YORKSHIRE.**—Capable, unqualified Assistant must be quick, energetic and trustworthy; Dispenser; easy hours; one seeking permanent with full particulars of age, height, experience, references, photo if possible, 104/35, Office of this Paper.

**ASSISTANT** wanted; age about 26; must be Dispenser and accustomed to good-class business in- or out-doors. Give full particulars of experience to H. Southall, Chemist, Walthamstow.

**EXPERIENCED** Locum required for North London during the month of July. Please apply to 103/30, Office of this Paper.

**JUNIOR or Improver.**—Opportunity occurs for a young man to better his experience; Galenica Pharmacy; those starting College in October need experience, age, height, reference, salary required Drane, Ltd., Cardiff.

**JUNIOR Assistants** (2), male or female; for Retail trade; knowledge of Photography an advantage; give usual particulars and enclose photo (to be returned). Chas. Thompson & Stratford Road, Birmingham.

**LIVE Assistants** wanted for good-class Street Pharmacy; must be of good appearance and address, smart, Window-dressers, and possess all-round experience; give full particulars of age, height, experience, and salary required in first letter, to Lion Drug Stores, Ltd., 15 Mark Lane, London.

**MESSRS. TIMOTHY WHITE CO. LTD.**, (Manchester) require a capable Pharmacist; easy hours; progressive salary, with excellent prospects; from 103/30, Office of this Paper.

**QUALIFIED** wanted, about 40; must be Dispenser, Photography an advantage; references must bear strictest investigation; engaged, salary, etc., in first letter; photo if possible, 102/32, Office of this Paper.

**QUALIFIED Assistant** wanted for Retail Dispensing. Please state age, experience, references, and when disengaged, in first letter, to 102/32, Office of this Paper.

**QUALIFIED Manager** for Branch, in business; must be active and good Prescriber; gentleman to increase and participate in business; Apply, enclosing photo, stating age and salary required, to Rustlings Road, Sheffield.

**SMART** unqualified Locum, for month of July; salary £15 (outdoors); two references required. Apply to 102/19, Office of this Paper.

**TEMPORARY Assistant Dispenser** (male) required for qualification of Pharmaceutical Society; state salary required, to be addressed to St. Mary's Hospital, Paddington.

**THOMPSON & CAPPER, LTD.**, require an Assistant for Manchester; Photographic experience necessary; enclosing photograph, and stating experience and salary to Thompson & Capper, Ltd., Manesty Buildings, Liverpool.

**UNQUALIFIED Chemist's Assistant**, 25-30 years of age, all-round experience, including Photography, and Secretary, Tamworth Industrial Co-operative Society, Colehill, Tamworth, endorsed "Chemistry."

**UNQUALIFIED Assistant** Wanted for Manchester; one seeking permanency preferred. Apply, with full details, to "Rex" (102/10), Office of this Paper.

**WANTED** (immediately), a Manager for a Branch; London experience and knowledge of Optics an advantage; good salary and commission. Apply to "Potash" (75/27), Office of this Paper.

**WANTED**, smart Junior Assistant for Dispensing business; outdoors; Mid-Kent; salary required to "Mex" (102/7), Office of this Paper.

**WANTED**, Assistant, unqualified. State salary to Barker Hill, Chemist, Gloucester.

**WANTED**, a Junior Assistant (outdoors) must be neat Dispenser, with a knowledge of Photography; a personal application would be appreciated. Apply to Pharmaceutical Chemist, Tadworth, Surrey.

**YOUNG** qualified Chemist required as Assistant in a large Pharmacy; will be required to undertake the management of the business during the summer; easy hours; applicants must give full particulars of experience and salary required. S. H. Baker, 103/30, Office of this Paper.



**WHOLESALE.**

Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

**RESIDENT REPRESENTATIVE** required at once by a well-known firm of Manufacturing Chemists; an established, successful firm with Chemists and Doctors in the county a *sine qua non* for candid prospects for capable man. Apply, with usual references, to 3/16B, Office of this Paper.

**TRAVELLER** and capable Representative wanted by Wholesale firm; must have good connection amongst Chemists, Druggists and Veterinary Surgeons. Apply in first instance, with references, to 43/5W, Office of this Paper.

**TRAVELLING**—London Pharmaceutical Wholesalers require a capable man (qualification not necessary), with knowledge of the trade and ability to prepare display advertisements. Send particulars, experience and salary required to 3/16B, Office of this Paper.

**TRAVELLER**—Assistant, well up in Sundries and Packed Goods, and able to travel; must be experienced, capable, and well known in "Yorkshire" (101/50), Office of this Paper.

**TRAVELLER** wanted by London Wholesale Druggists; must be a capable man experienced in the manufacture and standardisation of preparations. Reply, stating salary required, to 1/4W, Office of this Paper.

**TRAVELLER**—Well-educated Saleswoman, accustomed to the trade, required by John Barker & Co., Ltd., Kenilworth Street. Apply Staff Manager, 21 Ball Street, W. 8.

**TRAVELLER**—Commercial Traveller required, with experience in the Perfumery business; salary, expenses, and commission paid; no limit to the earnings of a really good man. We, stating remuneration required and experience, to 1/10A, A.F.A. Chemical Co., 31 Duncan Terrace, W. 8.

**TRAVELLER** (male) for Sale Department of London Export firm; some experience; commencing salary £78 per month by letter, stating age, to 7/6D, Office of this Paper.

**TRAVELLER**—Manager required by Manufacturing Wholesale firm in the provinces; must be experienced in the manufacture of all ordinary Galenicals. Apply, giving references, salary, age, etc., to 14/10H, Office of this Paper.

**TRAVELLER** wanted with good connection among Retail Chemists in the Midlands and Yorkshire, on a permanent basis; no limit to the earnings of a really good man. We, stating remuneration required and experience, to 1/10A, A.F.A. Chemical Co., 31 Duncan Terrace, W. 8.

**TRAVELLER** required for London and suburbs; Drugs, Pharmaceutical Preparations, and Compressed Gases; experience essential. Apply by letter, stating references, to P.C.B. 65/34, Office of this Paper.

**TRAVELLER** wanted by firm of Manufacturing Chemists to offer Toilet Articles and Packed Goods in the North-Eastern and Eastern Counties, and South-Eastern already working territory with non-competitive very advantageous Agency. P.C.B. 65/24, Office of this Paper.

**TRAVELLER** with good connections can earn their money by introducing our popular side-lines, on a permanent basis, East and West Counties, and all South-Eastern light samples; good show-matter, lines showing at sight; 15 per cent. commission. Full particulars, 100/33, Office of this Paper.

**TRAVELLER**—Assistant required to prepare Granulated Tablets; must possess some knowledge of Tablet machinery and be accustomed to accurate working. Apply 104/8, Office of this Paper.

**TRAVELLER** required by established Toilet Goods house, to visit Midlands, Eastern Counties, and South Yorkshire, Druggists, Chemists, Fancy Dealers, and Stores, with a view to selling Toilet Articles, Hair Ornaments, Packed Goods, etc.; must have live connection on the ground; present position Nottingham, Sheffield, or convenient centre; must be of good ground, and desirous of extending; salary, 15 per cent. commission; applicants must state full particulars, experience, connection (strictly confidential), and desired references, when at liberty. W. E. Co. Shudehill, Manchester.

**TRAVELLER**.—First-class London house has vacancies for two additional Representatives, to call on Chemists, Stores, Hairdressers, and Drapers, etc.; territory, first, Ireland, Lancashire, North Wales; second, South Coast, West of England, part Midlands, and S. Wales; only first-class men, not over 40, with thorough knowledge of high-class Chemists' requirements in Sundries (excluding drugs), and live connections, need apply. Write, giving full particulars of previous experience, ground covered, etc.; the positions are permanent. 33/12R, Office of this Paper.

**TRAVELLERS** wanted for well-advertised Patent Medicine; only those with good connection need apply. Write to "V. N.," 30 Belsize Park, Hampstead, N.W.

**FOUR LIVE TRAVELLERS**

**WANTED** to sell a series of 7 well-gotten-up, good Toilet Preparations; 20 per cent. commission will be paid to good men calling on Chemists, Stores, and Hairdressers. Reply, stating territory covered, "Genuine" (33/11R), Office of this Paper.

**WANTED**, experienced Tablet-maker to act as Working Foreman; knowledge of Granulating, Drying, Compressing, etc., and also working experience of Coating essential; to a good man willing to work (floor walkers need not apply), able to keep workers up to scratch, and capable of turning out first-class products; the position will ultimately be a good one; state fullest particulars, age, experience, married or single, and when disengaged. Apply, in strict confidence, "Tablet" (41/1V), Office of this Paper.

**WANTED**, by City Chemical house, an enterprising, active, intelligent man, aged 30-35, to check and assemble goods for City and suburban van deliveries; must have had experience of Wets and Drys and general despatch work. Write to 15/6J, Office of this Paper.

**WANTED**, Rubber Traveller for the North of England; experience necessary; salary or commission. Write, giving full particulars, to Box 5005, c/o Wills, Ltd., 296-302 High Holborn, London, W.C. 1.

**WANTED**, youth as Stockkeeper, with some experience. Apply Heppells, 78 Strand, W.C.

**WANTED**, an active and reliable man, of good education, as Assistant Business Manager for London office of Manufacturers of Fine Chemicals; must have some experience in this line and knowledge of British and Continental markets, preferably with command of languages. Address, in confidence, giving full particulars with regard to age, previous experience, and salary required, to 13/9G, Office of this Paper.

**WELL-KNOWN** Provincial House requires Clerk to take charge of the Costing, Pricing of Patent Medicines and Sundries, and to generally supervise the Office; previous experience in similar capacity essential. Apply, giving full particulars, salary, etc., to 27/30, Office of this Paper.

**SITUATIONS OPEN.**

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

**INDIA**.—Manufacturing Chemist, qualified, required for India, age 25-35, with experience in manufacturing Drugs, Galenicals, Tablets, etc., on wholesale scale; some knowledge of Pharmaceutical machinery necessary; must be able to supervise labour, test finished products in laboratory, and control despatches; married men need not apply; four years' agreement; passage paid out and home; salary first year £245 per month, second year £248 per month, third year £251 per month, fourth year £255 per month; excellent opening for capable young man. Apply, with full details of experience, etc., to 23/11M, Office of this Paper.

**INDIA**.—Assistant for Surgical Instrument Department wanted for India; must have thorough knowledge of the trade, correspondence, supervision of repairs; age 24-30; unmarried; salary, rupees 350 month; annual increase, rupees 25 monthly; second-class passage paid out and home; 4 years' agreement. J. G. S. (9/4E), Office of this Paper.

**JAPAN.**—Junior qualified Assistant, unmarried, age about 22, required immediately for old-established European Pharmacy in Kobe; must have thorough knowledge Retail and Dispensing trade; four years' agreement; second-class passage paid out and home; salary £180 first year, £192 second year, £204 third year, £216 fourth year; free board and residential quarters. Apply, with copies of testimonials and photo, to M. H. Export Department, S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

**STRAITS SETTLEMENTS.**—Young Assistant, unmarried, with Chemist's qualification, a good knowledge of Optics desirable; four years' agreement; passage paid out and home; salary first year £490; second and third years £525, fourth year £560. Apply 140/34, Office of this Paper.

**FOREIGN TRAVELLER.**—First-class man required by high-class Soap and Perfumery manufacturers, for India and British Colonies; only applicants with thorough knowledge of the trade and with established connections in the above markets would be considered. Apply, giving full particulars, to 3/14B, Office of this Paper.

**SITUATION VACANT ABROAD.**—Qualified man with energy and resource required to open a Pharmacy in the East under the best auspices; salary and commission; excellent prospects. "F. W. G.," Allen & Hanburys, Ltd., Bethnal Green, E.

## SITUATIONS WANTED.

### [HOME.]

#### RETAIL

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/6.

**A.A.A.**—LOCUM; experienced; abstainer; disengaged July 12-August 7, August 24 onward. "Locum," 24 Clarence Road, Chesterfield.

**A JUNIOR** (23), unqualified, requires situation; Midlands or East Coast district preferred; good references and all-round experience. 102/28, Office of this Paper.

**A JUNIOR** requires situation; six years' good-class Retail and Dispensing experience; excellent references; please state salary. "Velox," 33 Ulysses Road, Hampstead, N.W. 6.

**A PHARMACIST** desires permanent employment as Manager or Dispenser to good-class business; expert in Photography; Continental, London, seaside and country experience; knowledge of clinical work and analysis; industrious and conscientious; highest references guaranteed; kindly give full particulars and salary offered. Apply 100/25, Office of this Paper.

**A QUALIFIED** Chemist (26), tall, desires post as Manager or Assistant in good-class Pharmacy; London only; Quick and accurate Dispenser; highest references; disengaged. P. Chapman, 12 Stockwell Park Road, Clapham, S.W. 9.

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LOCUM disengaged; over 25 years' all-round experience; Manager or otherwise. Mr. Bedding, 10 Pensonby Terrace, Westminster, London.

LOCUM TENENS, experienced, disengaged May 8. "L.T.," 13 Batchelor Road, Newport, Mon.

LOCUM; unqualified Assistant; first-class West End Dispensing experience; Counterman; age 27; free between July and October. Write 75/24, Office of this Paper.

MANAGER (Branch); thoroughly experienced as such; present position 5 years; 38; married; highest references, including London; Hall qualifications and Matric.; indentured apprenticeship; moderate salary; could wait if desired. Apply "Reliable" (103/19), Office of this Paper.

MANAGER or Locum; qualified; Minor; 47; good appearance and address; all-round experience. Apply 103/40, Office of this Paper.

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QUALIFIED (36), as Manager or Assistant; married; would live on premises; reliable; experienced. "Homo," 98 Greyhound Lane, Streatham, S.W. 16.

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**Q**UALIFIED; Manager; permanent or Locum; West-End preferred; 25 years' London experience; disengaged. Apply 104/26, Office of this Paper.

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		20/- doz. by 6 doz.; 19/- doz. by 12 doz.	

## **Pharmaceutical**

Election, 1920

YOUR VOTES ARE ASKED

# **SPARKS & WAINMAN**

Because they supply

1. The representation on the Council of the sections of Pharmacy.
2. Pharmacy for the Pharmacists.
3. No further admission to the Register except through Apprenticeship and Examination.
4. Increased interest in and training of Apprentices.
5. Any action of the Council which will increase the unity and strength of the Society.

**DON'T ERASE Nos. 8 & 9**

## **PHARMACEUTICAL ELECTION.**

The Birmingham Pharmaceutical Society is one of the oldest, largest and most influential in the country, assure you that your vote will benefit if you vote.

# **H. O. LLOYD**

You have had posted to you a card giving election address and record of work done for Pharmacy—REMEMBER IT—and we feel confident you will vote for him, assured, as we are, that he will, if elected, advance and protect the interests of Pharmacy and worthily represent you in the large West-Midland Area Association, unrepresented on the Council.

**VOTE FOR**  
**H. O. LLOYD**



## Pharmaceutical Council Election.

Vote for  
HARDYRETAIN PHARMACY  
THE PHARMACIST.

Notice that the first name on  
all paper is NOT erased.

PHARMACEUTICAL COUNCIL  
ELECTION, 1920.

Mr. Hardy, I am writing to you as a Candidate for the Pharmacy, to recognise the importance of the position, and the duties attendant thereon. It is with the best interests of Pharmacy and Pharmacy that I ask for your support.

I have knowledge that the Ministry of Health proposes the Public Services, and I am in favour of placing before the Head of that Department the importance of a full recognition of the Pharmacy and the advantages that it brings to the community.

**PHARMACEUTICAL HEALTH INSURANCE.**  
I am a member of the Maryport Pharmacists' Association, the Cumberland Pharmaceutical Committee, and the Associations Executive. I am convinced that the Pharmacy which demands reform—viz., increased dispensing and the supply of appliances; a Pharmacy for chemists in Rural Areas; and, above all, the hours of service.

**ARMY AND NAVY.**  
The Pharmacy and a persistent demand that come to be the *sine qua non* of Pharmacists in the Pharmacy have my unstinted support.

**TERRITORIAL REPRESENTATION.**  
Territorial Representation will be the Pharmacy carrying the interests of Pharmacists in the Pharmacy among the lethargy which has existed for the Pharmacy legitimate steps which can effect such Pharmacy support from me.

The Pharmacy Council was emphasised in the Pharmacy as I am in favour of making known any Pharmacy to be asked for before ratification is Pharmacy of the Northern Counties and an advocate Pharmacy of Publicity. I have the temerity to ask Pharmacy of this important occasion.

Yours faithfully,

THOMAS HARDY.

of your votes to HARDY.

Pharmaceutical Council  
Election, 1920.

## FELLOW-PHARMACISTS,

As Members of the present Council who retire by virtue of the Act of 1898, and having been nominated for re-election, we confidently commend our candidature to the favourable consideration of our fellow-members of the Pharmaceutical Electorate.

The service already rendered during our respective terms of office as Councillors is on record in the trade Press. It is, however, not so much past labours as prospective effort which the members of the Society have the right to regard as paramount for the moment.

In the grave problems and far-reaching changes which confront the Society, the need for the highest administrative experience, the broadest possible outlook, and the profoundest sincerity is undoubted, and we believe that in all essential particulars the practical training in pharmaceutical political affairs which we have been privileged to receive will fit us to bring sound judgment and sane counsel to bear upon the very important questions of the immediate future.

Each one of us is a pharmacist, engaged in actual retail practice, including Insurance Dispensing, with personal experience and fullest knowledge of the responsibilities and difficulties attending the conduct of modern pharmaceutical business, as well as the special disabilities and restrictions which hamper the aims and aspirations of those who carry on such businesses. Our interest as well as our sympathy therefore coincide with those of the "rank and file" of Pharmacy, and we shall always endeavour to make those sympathies the guiding motive of our policy.

## We stand for :

- Rational Progression* and sound development in all departments of pharmaceutical activity, as opposed to rash experiments in evolution.
- The building up* of the financial resources of the calling.
- Unity in attacking* the hostile and hampering influences under which pharmacists are suffering, as opposed to internal warfare on unessentials.
- Pharmacy for the Pharmacist*, and a full recognition of his value to the community and the services.

We believe that the future welfare of our calling can be best served by entrusting the reconstruction era of Pharmacy to those who have at any rate had an extensive experience in pharmaceutical administrative affairs.

F. E. BILSON.

J. H. CUFF.

A. R. MELHUISE.

P. F. ROWSELL.

J. RYMER YOUNG.

## FELLOW-MEMBERS

do not hesitate to vote  
and vote early for

# KEITH

the candidate with a record  
and A DEFINITE POLICY.

For the Committee :

J. HEARLE,

*Hon. Election Secretary.*

Pharmaceutical Council Election, May

*Progressive Pharmacists*

## Vote for GILMOUR

and

Help to reinstate Pharmacy as a

Vide Election Address, C. & D. Supplement

### COUNCIL ELECTION

*4,000 Assistants have no direct vote*

7 FOURACRE, R.

8 FULLERTON, D.

19 SPENCE, G. L. S.

20 TODD, J.

VOTE for UNIFY!

## Pharmaceutical Council Election

Candidature of

**MALCOLM M. IRVINE, Ph.C.,** *Principal*  
Glasgow School of Pharmacy

### Are you in Favour of a High Pharmaceutical Business Policy?

My return to the Council will constitute a mandate to set up a Business Committee to correlate the efforts of Federations, Trade Associations, Wholesale Chemists and Druggists, and individual Pharmacists, blending their ideals to one purpose, namely to

## CONSERVATION of PHARMACY



# Alcresta Tablets of Ipecac, Lilly



UNCOATED, DISINTEGRATING  
EASY TO TAKE, CAUSE NO NAUSEA

Permit the Oral Administration of Massive  
Doses of Ipecac

**E**ACH TABLET contains the alkaloids of ten grains of Ipecac, U. S. P., combined with a form of hydrated aluminum silicate. The tablet disintegrates readily, but the compound passes through the acid juices of the stomach unchanged and liberates the Ipecac alkaloids in the alkaline secretions of the intestines; thus the nausea and vomiting are avoided.

Prescribed by Both Physicians and Dentists

BY PHYSICIANS—In Amebic Dysentery, Amebic Infections of the Tonsils, Typhoid Fever and various Intestinal Disturbances.

BY DENTISTS—In Pyorrhea as an aid to dental instrumentation in which they are as efficient as hypodermatic injections of emetine.

*Supplied in Bottles of 40 and 500 Tablets*

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Eight sizes for human use—three sizes for veterinary use—one-fourth, one-half and one-ounce capacities. Clean, firm, thin-walled, highly transparent, quickly soluble, easily joined, close securely. Carried in stock uncolored and pink.

*Many of the sizes are satisfactory containers for small articles, having certain advantages over boxes and glass vials*

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**IN BULK**

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in a variety of styles.

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